THE CHEMIST AND DRUGGIST

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Samples and · Quotations · on · Request.

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Choice Synthetics

"ROSETTOL"

A true Rose Odour, 17/6 per oz.

"ROSETTOL," first in the field, still holds first place amongst the synthetic rose products.

A PHARMACIST'S OPINION:

"Rosettol is better than any other artificial otto that I have tried."

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Adeps Lanæ B.P.

Superfine British Lanolin.

BRITISH CAPITAL AND CHEMISTS.
BRITISH LABOUR AND MATERIALS.

Expert Opinions of Interest.

From "The Lancet," Nov. 11, 1916.

We have carefully examined this specimen of Lanolin, and we find it ANSWERS ALL THE REQUIREMENTS OF THE BRITISH PHARMACOPŒIA. According to our examination it contained only 0.14 per cent. of moisture and 0.08 per cent. of mineral matter. These results ARE A LONG WAY BELOW THE LIMITS SET OUT IN THE OFFICIAL DEMAND. Further, we found that its acidity in terms of Oleic Acid was only 0.42 per cent., against a presumable limit of 0.7 per cent. It has been pointed out that in the test for acidity in the British Pharmacopœia it is recommended to make a solution in ether of 0.2 gramme for tritration with N/10 alkali, which would place the limit of free (oleic) acid at 7 per cent. It is an obvious slip; a solution should be made of 2 grammes, and then the limit becomes 0.7 per cent. This matter is of some importance, as any increase in the amount of free fatty acid in Lanolin is opposed to its values as a basis in many directions.

From "The Chemist and Druggist," Oct. 21, 1916.

British Lanolin.—We have had the opportunity of examining specimens of adeps lanæ B.P. and adeps lanæ hydrosus B.P., manufactured by the London Pharmaceutical Refiners, Ltd., Martin's Yard, Endwell Road, Brockley, S.E., whose sole selling agents are the Produce Brokers Co., Ltd., 24-28 St. Mary Axe, London, E.C. The product is an interesting example of the success that follows British method and thoroughness, for the London Pharmaceutical Refiners, Ltd., have perfected their process of manufacture from British material, so that the adeps lanæ produced not only conforms with the requirements of the British Pharmacopœia, but is indistinguishable from adeps lanæ which had been imported from Germany for many years. The characteristics of the product accord with the characters and tests of the British Pharmacopœia, except that in one or two respects the L.P.R. product is superior. For instance, the amount of free acids permitted by the B.P. is almost double that contained in the L.P.R. product, and it is notable that this is quite free from objectionable woolly odour. Adeps lanæ is put up in 28 lb., 56 lb., and 1 cwt. kegs, as well as 3½ cwt. barrels. The manufacturers and agents supply it only in wholesale quantities, but the leading wholesale druggists hold stock, and can supply either the anhydrous or hydrosus form.

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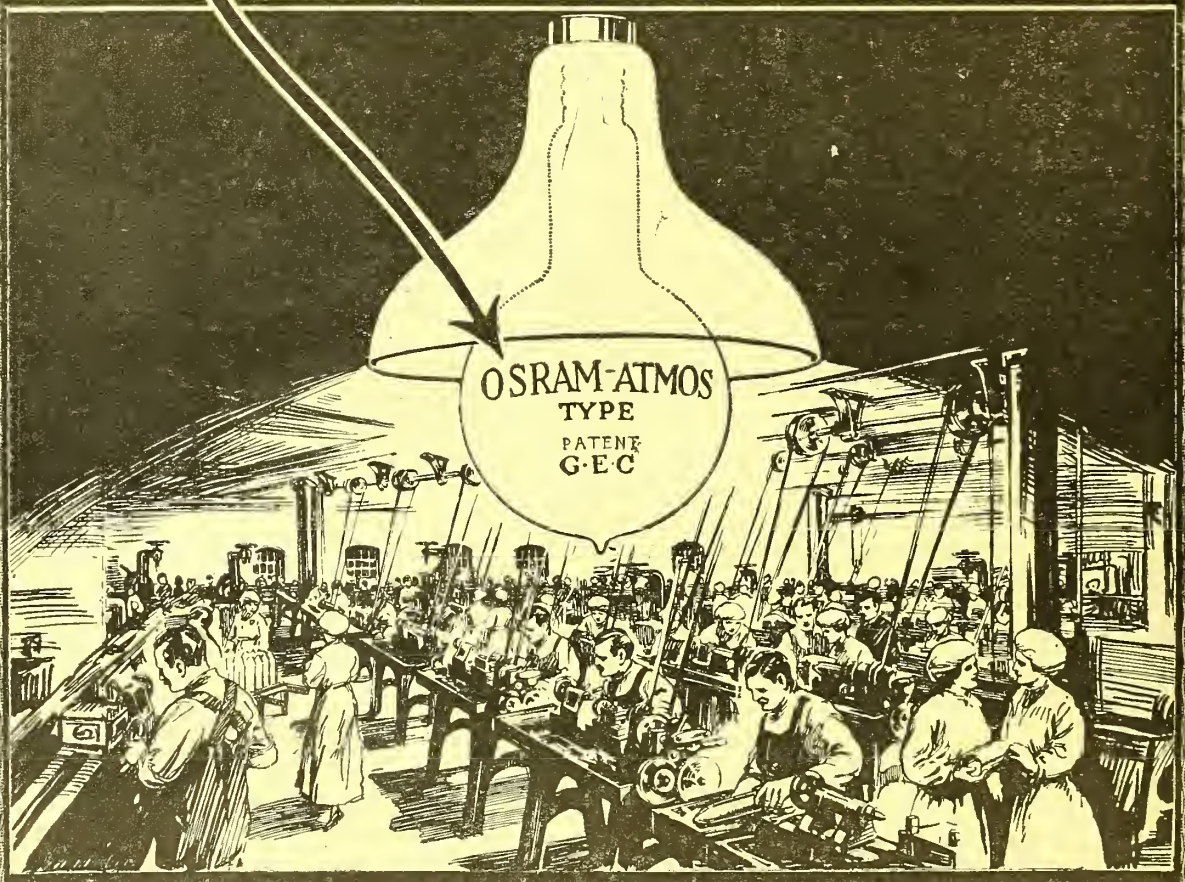

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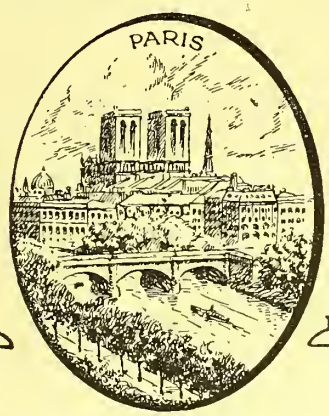

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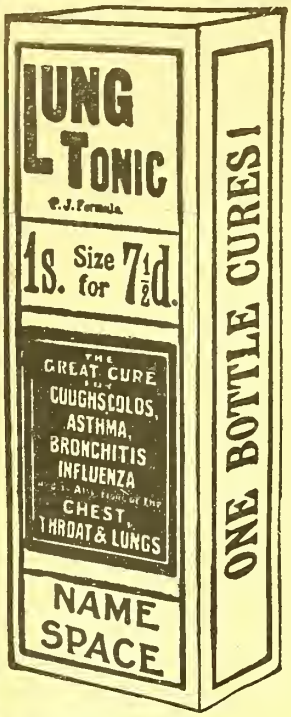

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Manufacturing Chemists, THE BRIDGE STREET, DERBY.

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PILLS, CAPSULES, TABLETS, AND OTHER OWN NAMED PACKED LINES.

"*In Preparation.*"

Messrs. KAY BROTHERS, LIMITED, beg to inform the Trade that they will shortly be going to press with their popular Annual, the

"Family Reference and First-Aid Book,"

revised, containing 24 pages of interesting and useful reference matter; also

Counter Bills

11 in. × 9 in., specially adapted for Counter use and wrapping of 6 to 8 oz. bottles. The paper is of best quality, smooth, plainly printed on one side only, with large margin, and carefully cut.

Supplies of above are now being booked for winter delivery.

Gratis, Carriage Paid, printed with Name and Address,

for chemists forwarding two slip labels and undertaking careful distribution. Population of district should be given, and in the case of the Almanacks house-to-house distribution should be promised, as this Annual is the finest of its kind published and a credit to any Pharmacy.

NOTE:—Advertising matter is not sent out unless asked for

Write at once as applications are dealt with in rotation, and the edition is limited.

Address Advertisement Department.

"LINSEED COMPOUND"

Over 50 years' Proven Efficacy for Coughs and Colds.

Sole Proprietors and Manufacturers:

KAY BROTHERS LTD., STOCKPORT.

CHEMISTS' SHOPFITTINGS

WANTED.—Every Chemist requiring Shopfittings to send for my estimate; you *can't* do better. I shall be pleased to send you rough sketches free on receipt of particulars. Over 30 years' experience.

Glass Showcases, Drugfittings, Dispensing Screens, Window Enclosures, Glass Shelves, Wall Cases, Perfume Cases, Plate Glass Front Counters, Drawers, &c., at lowest prices.

NOTE ADDRESS—

GEORGE COOK,

The Chemists' Working Shopfitter,

29 MACCLESFIELD STREET, CITY RD., LONDON, E.C.

SHOP FRONTS

and

Modern Improvements.

H. MILLS, the Chemists' practical Shop Fitter, Shop Front Builder with the latest designs and largest experience. Plans submitted for structural Alterations. Estimates Free.

Steam Works:

163-5 OLD STREET, LONDON, E.C.

On hand—a large stock of Drug Fittings, Counters, Dispensing Screens, Wall Cases, etc., equal to new.—Bargains!

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF 1916 MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL." Tel. 1039 CENTRAL.

And of ST. JOHN'S, N.F. Established 1780.

WOODWARD'S GRIPE WATER

Two Registered Trade Marks.

No. 99.....

No. 100..... **"GRIPE WATER"**

is intended for the RELIEF of the various SIMPLE and FAMILIAR **Ailments of Infants and Young Children,** especially during the **Period of Teething.**

It contains no Preparation of Morphia, Opium, or other harmful drug.

ON THE PROTECTED PRICE LIST OF THE P.A.T.A.

Sell Your Customers Genuine

All-British Ownership of "Wulfing" Lines

How to get your Full Share of Profit

Keep your cash-register ringing merrily with Sanatogen and Formamint sales!

You did so before the war and you can do so again, now that this phenomenally successful business has at last been acquired by an all-British concern.

What the Germans did well the British can do better still: if the War has proved anything it has proved that.

Will you help us to prove it by pushing these excellent lines with the same energy and enthusiasm that you did before the War?

You have given the imitations a fair chance: if they have failed it is not your fault. Now try the genuine original products, and see how **they** will pay you—backed up as they are by their intrinsic merits, and by one of the most splendid business organisations in the country!

Replenish your stocks of Sanatogen and Formamint, and let your customers know at once that these are not imitations or substitutes, but the original preparations themselves—absolutely the real true genuine thing—made in the same British factories, by the same special machinery and processes, and by the same British chemists and technical staff that the German firm employed.

You will find in almost every case that your customers will readily buy these lines, and go on buying them frequently as they did before the War.

Extract from The Times, *November 9, 1916.*

In conversation with a representative of *The Times* yesterday, Lord Rhondda said he had for years used Sanatogen as a brain food. When the business was offered for sale by tender he consulted some of his friends, who agreed with him that it was a sound commercial proposition, and that it would be rendering the State a service to take it over and conduct it as an absolutely British concern. Such enterprise would also be an example to other British business men in a position to take over German concerns.

They had bought up the Sanatogen business (including Formamint), lock, stock and barrel, as a going concern. The German element would be entirely eradicated, both as to staff and direction, and the products would be absolutely British. The price of Sanatogen would not be increased in spite of the greater cost of materials, and they hoped to show that the business could be a much more flourishing concern in British hands than it had ever been in the hands of the Germans.

THE BRITISH PURCHASERS OF THE SANATOGEN CO., 12, CHENIES STREET, LONDON, W.C.

Sanatogen and Formamint.

means Big Business for Retail Trade. from our Huge Advertising Campaign.

Do not be dismayed by the fact that the old names and trade-marks are voided, so that any shoddy substitute can now call itself Sanatogen or Formamint.

The public knows the old "Wulfing" labels; and by the time the present stocks are exhausted we shall have re-named the preparations, and advertised them so widely and persistently that no one will have the slightest doubt as to which are the genuine original products.

We have not been letting the grass grow under our feet. Every leading newspaper in the kingdom has published the news of Lord Rhondda's great enterprise. All the doctors and nurses, all members of the wholesale and retail trade, all former users of Sanatogen or Formamint, are being personally circularised; and thousands of enthusiastic replies are pouring into our London offices every day.

Meanwhile, the expert who did the German firm's advertising with such brilliant success is devoting his whole energies to **our** advertising; and where the Germans spent £30,000 we shall spend £60,000.

Think of the huge selling-power that such a campaign will generate, and resolve to draw all you can of it into your own business.

Get ready to supply the customers whom it will send to your counter, and use your personal influence to change the hesitating inquirer into the eager purchaser.

Why not begin at once by sending a five or ten pound order, which carries with it a 10% advertising discount?

Still on the P.A.T.A. list, of course, and retail prices unchanged.

Extract from The Daily Telegraph, *November 9, 1916.*

Headed by Lord Rhondda, a group of British business men have bought up the entire assets of the German firm of A. Wulfing & Co., manufacturers in this country of Sanatogen, Formamint, Albulactin and Cystopurin.

"I have taken Sanatogen for years," said Lord Rhondda, in the course of an interview yesterday, "and since the war began I have tried several substitutes, but I have found none of them as good as Sanatogen. That is what first interested me in the matter. I think it is the duty of business men who can afford it to risk their money in such cases in order to get rid of the German interest. I believe we can carry on the business more successfully than the Germans did. There is no reference in the sale to the name of Sanatogen, and we shall alter it. There are rival products, but, of course, they are not the same, and we think they are not so good."

BUSH'S GLASSWARE.

Graduated Measures
Urinals
Hydro Jars
Test Glasses
Funnels
Feeding Bottles
Syringes and all
Blown Glass
Goods

BUSH'S EARTHENWARE.

Mortars and Pestles
Bed Pans
Urinals
Evaporating Dishes
Sick Feeders
Nelson Inhalers
Shop Jars
Covered Pots
Funnels &c. &c.

BUSH
FOR ALL
DRUGGISTS' GOODS

BUSH'S SUNDRIES.

Menthol
Trusses
Bandages
Cotton Wool
Eye Shades
First-Aid Pocket Cases
Fuller's Earth
Palette Knives

BUSH'S SUNDRIES.

Powder Booklets
Powder Puffs
Sanitary Towels
Suspensory Bandages
Tooth Brushes
Tooth Powder
Vacuum Flasks
Violet Powder, &c. &c.

HENRY W. BUSH & CO., Ltd.

Rembrandt Works, Commercial Street, LONDON, E.

ANTI-VERM

A real necessity for our fighting men. Put up in screw-cap tins. Just a little "Anti-Verm" Cream smeared on the wrists, neck, or any exposed part will prevent *all* body vermin from troubling.

A customer writes: "I am sending it out to France to my brother. He says it is splendid."

4/9 DOZ. — RETAIL, 7½d.

Illustration of tin greatly reduced.

Maw's Page

S. MAW SON & SONS (G.P.O. BOX No 541) 7-12 ALDERSGATE ST. LONDON E.C.

NUMBER 267 NOV. 25, 1916

HOURS OF BUSINESS: 8.30 a.m.—5.30 p.m. CLOSE AT 1 p.m. SATURDAYS

The Cow's Ears

In the American Senate some agriculturists were once trying to introduce a certain Bill which was at first distasteful to the majority of the House.

. . .

Opinion veered steadily around in their favour until an opponent of the proposed measure jumped up and put the following question to the experts: "Before I vote in favour of the Bill," he said blandly, "will one of the gentlemen who are bringing this matter forward kindly inform me whether a cow's ears are situated before or behind the horns?"

. . .

Not one of these agricultural experts could inform the inquirer, and the promotion of the Bill had to be abandoned owing to the ridicule which followed.

. . .

A little knowledge is dangerous. The pitfalls of salesmanship are not the things one does not know, but the things with which one is imperfectly acquainted.

"Oh, yes, they are splendid!" you may aver, in answer to the query of a customer who has picked up and is examining a "Pliant" Hand Brush. The customer may be satisfied with your commendation. More probably, if of an inquiring turn of mind, the merits of the article will need a further explanation.

. . .

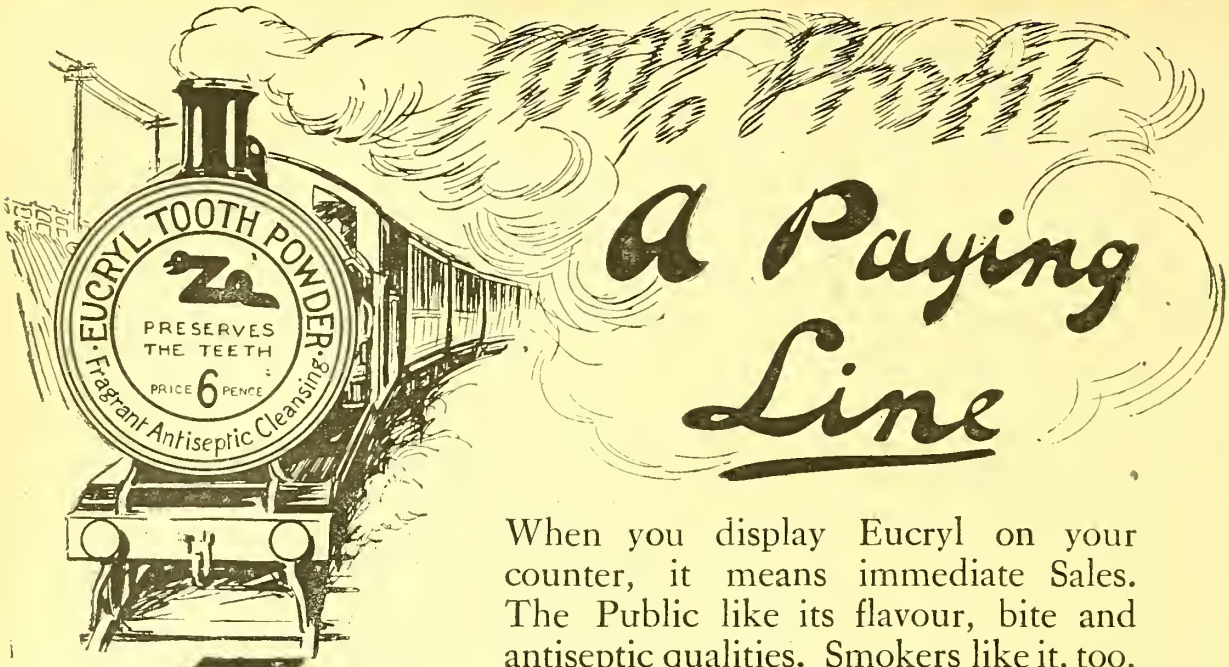
Here is your opportunity to point out that the "Pliant" can be used like an ordinary nail brush, with the additional advantage that it acts as a tonic friction to the skin. It *removes dirt without roughening the hands.* Even a sensitive skin is unharmed. Other selling points: After use with soap, rinse the "Pliant," and it will never become slimy.

. . .

The "Pliant" is a splendid cleanser of the knees of young children. Finally, warn customers that a few hairs may be shed at first, and even occasionally during use; but this is unimportant, and will not impair the brush.

Capsule

MAW'S "PLIANT" HAND BRUSH, 8/6 doz.; 3 doz. for 24/-. USUAL DISCOUNT.



When you display Eucryl on your counter, it means immediate Sales. The Public like its flavour, bite and antiseptic qualities. Smokers like it, too, because it makes stained teeth white. It is good for man, woman or child, and is therefore the Family Dentifrice.

EUCRYL
TOOTH POWDER

leaves you 100% profit—a profit you do not get on many lines you sell. It pays you therefore to stock Eucryl and give it a good display in window and on the counter. The result is a quick turnover and satisfaction to you, your customers, and ourselves.

Fill in attached Coupon and start making generous profits.

EUCRYL LIMITED,
61-63 LANT STREET,
SOUTHWARK, S.E.

ORDER COUPON.

To **EUCRYL LIMITED,**
61-63 LANT STREET,
SOUTHWARK, S.E.

Please send 6 dozen 6d. tins Eucryl Tooth Powder at 3/6 dozen net, **carriage paid,** together with 2 dozen 6d. tins, extra and free of charge as bonus, for which I enclose remittance value 21/-

C. & D." Nov. 25.

LABORATORY OF GENERAL PHARMACOLOGY,

8, Rue Vivienne, Paris.

LONDON AGENTS:
WILCOX, JOZEAU & CO., 49, Haymarket, S.W.

CHAPOTEAUT'S CAPSULES of PHOSPHOGLYCERATE of LIME.

THE BEST TONIC FOR FORTIFYING AND BUILDING UP THE NERVOUS SYSTEM.

Sold by all Chemists.
Wholesale: 8, Rue Vivienne. PARIS.

MORRHUOL CHAPOTEAUT

CAPSULES

MORRHUOL DE CHAPOTEAUT is extracted from cod-liver oil, and contains all its efficacious properties without the disagreeable taste.

It cures Coughs, Bronchitis and Catarrh, restores the appetite, and gives force to feeble persons.

SOLD BY ALL DRUGGISTS.

CHANDRON'S DROPS

(Gouttes des Colonies)

A harmless antiseptic preventative against CHOLERA-FERMENTATION - INDIGESTION & other intestinal disturbances.

SOLD BY ALL CHEMISTS

LONDON AGENTS
HEPPELL & CO., 164, Piccadilly, W.

SUCCESS!

"HITCH your wagon to a star." Never was there a wiser axiom ever recorded, and in advising all readers to follow the success of the "Harlene" products, we are confident that we are giving the best advice possible.

Supported as they are by a generous and bold advertising campaign throughout the national Press, their popularity is measured by purchasers in millions.

No Chemist or Store should allow the stocks of "Harlene" Preparations to get low as the barometer of the "public demand" shows an ever steady rise. Are you well supplied with:

"HARLENE" for the Hair,
"ASTOL" for Grey Hair,
"ASTINE" Vanishing Cream,
"CREMEX" Shampoo Powders,
"ASTINOL" Aromatic Bath Fluid,
"ASTINE" Shaving Sticks.

Full particulars, advertising literature, etc., from

EDWARDS' HARLENE, Limited,

20, 22, 24 & 26 LAMB'S CONDUIT ST., LONDON, W.C.

Below is shown the four-fold "Harlene" Sample Gift Outfit sent free of cost to every member of the public who asks for it.

MISS ELLALINE TERRISS

MISS BLANCHE TOMLIN

MISS ESTELLE RATCLIFFE

—three beautiful adherents to "Harlene" Hair Drill.

MISS GINA PALERME

MISS ELIZABETH RISDON

MISS MABEL LOVE

also enthusiastically endorse the "Harlene" Preparations.

Award, London, 1881: "For Excellence of Quality."

Contractors to H.M. Government, The Crown Agents for the Colonies, etc.

SYNTHETIC OTTOS

"Zinyl" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS (Non-Alcoholic)

These should not be compared with the "cheap" compounds offered, which are merely mixtures of various essential oils. To Buyers who have not hitherto bought these Synthetic Ottos their use will come as a revelation, and as in most instances the Ottos are actually stronger than the essential oils they are intended wholly or partially to replace, they are most economical in use, while their similarity to the actual flowers is surprising. A feature of the "Zinyl" Brand is the natural delicate flower odour, free from the very objectionable and crude characteristics of cheap synthetic perfumes.

HELIOTROPE	8/6 oz.	HYACINTH	9/6 oz.
LILY OF THE VALLEY	13/6 oz.	NEROLI	8/6 oz.
JASMIN	10/6 oz.	VIOLET	10/6 oz.
CARNATION	8/6 oz.	WALLFLOWER	10/6 oz.

ROSE One of the finest and most delicate Synthetic Ottos on the market. The "Zinyl" Brand passes the most discriminating tests, and is almost indistinguishable from genuine otto; and, though much stronger, costs but a fraction of the price. **13/6 oz.**

FULL LIST ON APPLICATION.

"A Triumph of Modern Synthetic Chemistry."—"C. & D." in 1912.

H. E. STEVENSON & CO.

Manufacturing Chemists and Wholesale Druggists,

122 GREAT SUFFOLK ST., LONDON, S.E.

Mr. Stevenson was for many years a Director of BAISS BROTHERS & STEVENSON, LTD.

ESSENTIAL OILS.

OWN DISTILLATION.

IMPORTED AND GUARANTEED.

Inquire for Prices.

Pharmaceutical Preparations.

EVANS

Druggists' Sundries and Counter Adjuncts.

TRADE MARK

EVANS' CHEMICALS
All Tested and Guaranteed.

EVANS SONS LESCHER & WEBB
Limited
LIVERPOOL AND LONDON.
Also New York, U.S.A.

MANUFACTURERS

OF

Fine Chemicals
Perfumery Products
ETC.

AND

DISTILLERS OF ESSENTIAL OILS

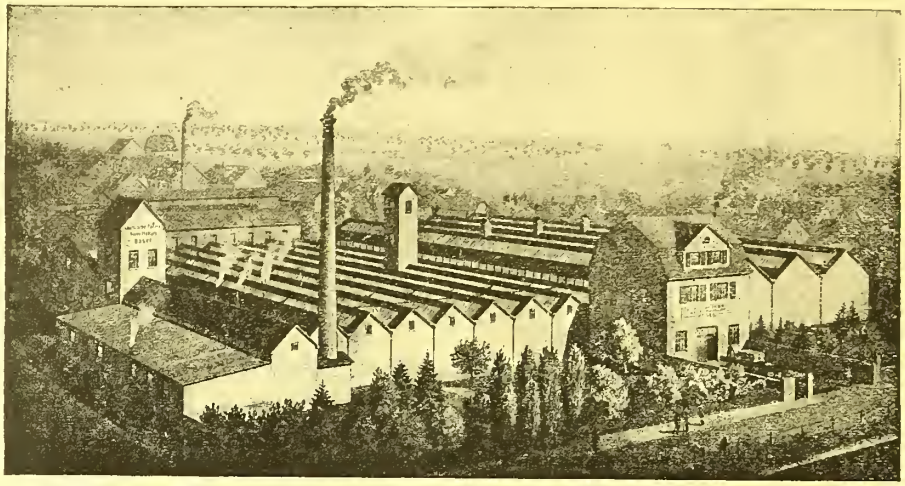
desirous of being represented for the sale of their goods in the U.K. should communicate with

W. H. HOBBS & CO., LTD.
TRINITY PLACE - - LONDON, E.C.

HERM. MADOERY, *Chemical Works,* BASLE (SWITZERLAND).

SWISS FIRM.

Ask for Price List No. 9



Founded 1902.

Ask for Price List No. 9

WORKS AT BINNINGEN, NEAR BASLE (SWITZERLAND).

SPECIALITIES:

Silver Proteinate = *Argoprot.
" Nucleinate = *Nuclargent.
" Colloidal = *Argloid.
Quinine Salts.
" Ethylcarbonate.
*Sulphothyol, Ph. Belga.
" Commercial.
Tannin Alb. ex ovo = *Talbin.
Diethylbarbituric Acid.
Vanillin Cryst. 100%.
Extract Filicis Maris, and other Extracts.

** These names are registered by my firm.*

THE BEST SELLING

Solid Brilliantine

At Popular Prices. (Protected.)

Handsomely Packed in Gilt Tins and Well Perfumed.

6d. size - 3/6 doz.

1/- " (de Luxe Perfume) 7/- "

Less 5 per cent. for Cash in 30 days.

Special Coupon for Small Trial Order, Carriage Paid.

To ESSONA PERFUMERY CO.,
English Perfumers, Wimbledon.

Please send immediately, Carriage Paid

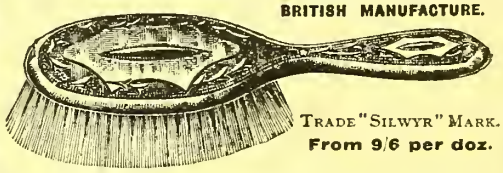
.....doz. 6d. Essonaline at 3/6 doz.
.....doz. 1/- " " 7/- "

Less 5 per cent. for prompt cash in 30 days.

Name.....

Address .....

BRITISH MANUFACTURE.



TRADE "SILWYR" MARK.
From 9/6 per doz.

M. NEUHAFER & LEVI

and HAWTIN HORNETT & Co.'s SUCCESSORS.

INCORPORATED BRUSH FACTORIES.

Showrooms and Offices: 11 FORE STREET, LONDON, E.C.

Makers of "Silwyr" Brand of Hair, Cloth, Hat, Nail & Tooth Brushes, etc., including Oxidized and Fancy Back Brushes.

"PLANO"

2D. per tablet

FOR CHAPPED HANDS AND ROUGH SKIN

SELLS AT SIGHT,

pleases your customers, and

YIELDS 100 PER CENT. PROFIT

3 doz. ...	4/-	2 gross ...	2½%	13 to doz., for cash with order.
6 doz. ...	7/-	5 gross ...	5%	Carriage paid.
12 doz. ...	13/-	10 gross ...	7½%	

Advertising matter supplied.

MILNER'S CHEMICAL CO., LIVERPOOL.

FRENCH

OTTO OF ROSE

Guaranteed Absolutely Pure under Analysis.

Distilled by GATTEFOSSE & FILS.

CARMINE

Guaranteed Pure Cochineal, and free from any added matter or adulteration.

Telegrams: "Forbrodona, Finsquare, London."

Tel. Nos., London Wall 6076
" " 6077

FORWOOD BROS. & DONALDSON, LTD.

ROPEMAKER ST., FINSBURY, LONDON, E.C.

SAM^L LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

CRUDE DRUGS & ESSENTIAL OILS.

A few Specialities :—

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for:

Oils: Lemon, Bergamot, Orange; Terpeneless Oils: Lemon, Bergamot, Orange.—*Fratelli de Pasquale & Co., Messina.*
Bay Rum and Bay Oil.—*Bornn, St. Thomas.*
Essential Oils, Drugs, Chemicals, &c.—*National Aniline & Chemical Co., New York.*

"LESCOL" FLORAL PERFUMES

NOTE: Notwithstanding the shortage in cut glass and moulded bottles and fancy cases, we beg to inform you that we are exceedingly well placed, but as we are already receiving orders for Xmas trade would advise you to order early to avoid disappointment.

□ □ □

On receipt of a postcard stating requirements, our representatives will receive instructions to call with a full range of Samples.

LESCOL PERFUMERY CO., Lomond Grove, Camberwell Green, LONDON, S.E.

Telephone: 810 HOP. Telegrams: "VANILLIN, CAMBER, LONDON."

STERN'S

Liquid Paraffin B.P.

White Oils,
Half-White and Coloured Mineral Oils

Petroleum Jelly B.P.

STERN SONNEBORN OIL CO., LTD.
Royal London House, FINSBURY SQUARE, LONDON, E.C.

METHYLATED SPIRIT
OILS AND CHEMICALS.
Buy from one of the Oldest Houses in the Trade.
Write for Prices. ESTABLISHED 1794.
SAMUEL THORNLEY, Ltd., BIRMINGHAM

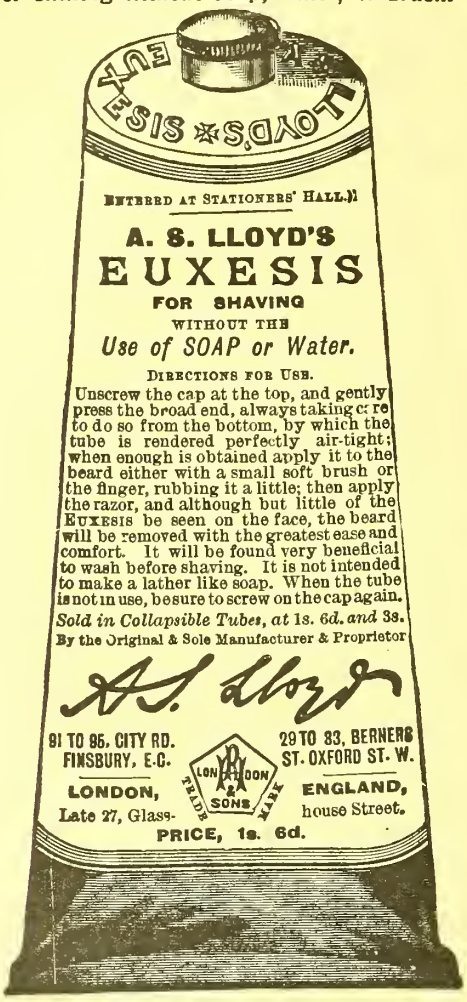
S.V.M.
Best Quality Only.

RANDALL & SON,
Limited;
Wholesale and Export Druggists,
SOUTHAMPTON

A. S. LLOYD'S EUXESIS

(THE GENUINE.)

For Shaving without Soap, Water, or Brush.



Sold by all Perfumers and Chemists throughout the World.

R. HOVENDEN & SONS having purchased, under an administration suit, the Business of the late A. S. LLOYD, with the Receipt Trade-mark, and Goodwill of the celebrated Euxesis, the Trade are cautioned that the original and genuine Euxesis is now manufactured at our Factory ONLY, and may be obtained at either of our Warehouses at the following prices:

10/- *per dozen;* **9/9** *by the 6 dozen.*
Retails at **1/6** *the Tube;* **3/-** *size to order.*

NOTICE.—THE GENUINE A. S. LLOYD'S EUXESIS bears a label printed in BLACK only on a Yellow ground, with our Trade Mark at the bottom, as Illustration.

Proprietors: R. HOVENDEN & SONS, LTD.,
LONDON: 29-33 Berners Street, W.; and 89-95 City Road, E.C.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.)
for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.	
1/-	1/-	7/6	per doz. less 5 % discount
1/6	1/6	9/-	
2/6	2/3	15/-	
3/6	3/3	21/-	

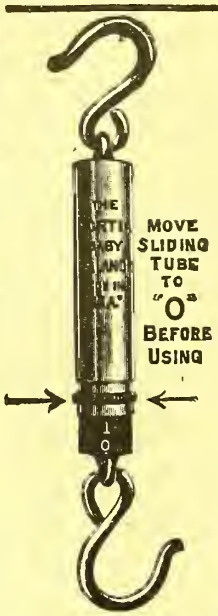
SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).
Do. 6 doz. do. 8 bottles gratis.
Do. 12 doz. do. 18 bottles gratis.
Equivalent in the case of the size in most general demand, viz. 1/6 size to 4/6, 12/- and 27/- respectively.

SOLE PROPRIETORS—

C. R. HARKER, STAGG & MORGAN, LTD.
DEVON WHARF,
Emmott Street, Mile End, London, E.

A Profitable Seller



THE
"PORTIA"
(Regd.)
NET WEIGHT
Baby Balance
Weighs up to 15 lb.

Price	Retail
11/6	**1/6**
dozen.	each.

Hang a balance in your window with our dainty cut-out showcard in colours on the lower hook, showing a baby actually being weighed, and you will soon be re-ordering.

SOLPORT BROS.,
184 to 190 Goswell Rd., London, E.C.
Obtainable through all Wholesale Houses.

A. S. LLOYD'S EUXESIS.

For Shaving without Soap, Water, or Brush.

CAUTION.

The Labels on GENUINE EUXESIS bear two signatures—A. S. Lloyd in Black Ink, and that of his Widow, Aimée Lloyd, in RED. Refuse any other.

Sole Manufacturers and Proprietors: **AIMÉE LLOYD & CO.**

23 PANTON STREET (formerly named Spur Street), HAYMARKET, LONDON, S.W.

N.B.—When ordering from Wholesale Houses write LLOYD'S EUXESIS (WIDOW'S).

Dinkie
The Dainty Deodorant

A new and attractive line that is sure to enjoy good sales. A greaseless Cream that takes the odour out of perspiration. Daintily packed in opal jars. Ask your wholesaler.

DECOLENE
The liquid hair remover

A new idea in depilatories. Simple and safe to use—effective in use. Pleasant and harmless. Invaluable during the vogue of the décoletté gown. Daintily packed. Ask your wholesaler.

TRADE TERMS

Satisfaction Guaranteed or Money back

DINKIE: Advertised, and min. Retail Price . . . **2/6** Trade 20/- doz.

DECOLENE: Advertised, and min. Retail Price . . . **3/9** Trade 30/- doz.

Monthly Accounts nett. 5% Cash with Order.

Carriage Paid on £1 lots. Particulars on request.

Trade Mark

ROBARTES LTD.
128 Jermyn Street, London, S.W.
Telephone: Gerrard 3672

The Best Paying 1d. Line is

SOFTO
FOR CHAPPED HANDS.

WHOLESALE PRICES.

			s.	d.
1 gross	"Softo" with 4 doz. bonus	- - -	7	0
½ gross	" " 1½ doz. "	- - -	3	9
3 doz.	" " 1 doz. "	- - -	2	3

A Chemist writes: "Please send our goods immediately, as the 1 doz. 'Softo' was cleared in a day."

The SOFTO Manufacturing Co.
33 Edgware Road, Park Lane, W.

Solyptol Soap

A high-grade Toilet Soap of marked Antiseptic properties. Non-irritating. Agreeably perfumed. Lathers in hard water. Assists the complexion. Heals cuts & abrasions. Invaluable in the Nursery.

TOILET SOAP, 10d. SHAVING SOAP, 10d.

A READY SELLER WITH GOOD PROFIT.

Chemists should write for terms.

F. H. FAULDING & CO., 54 Gt. Tower St., London, E.C. Adelaide, Perth, Sydney, Australia.

Stocked by all Patent Medicine Vendors.

No. 77

BRITISH Eau de Cologne

In Square Bottles

2 oz.	...	11/- doz.
4 ,,	...	21/6 ,,
8 ,,	...	41/6 ,,

In Wickered Bottles

½ pint	...	34/6 doz.
1 ,,	...	65/- ,,
2 ,,	...	122/- ,,

Write for Samples. Showcards supplied.

Manufactured only by

WILLIAM TOOGOOD, Ltd.,

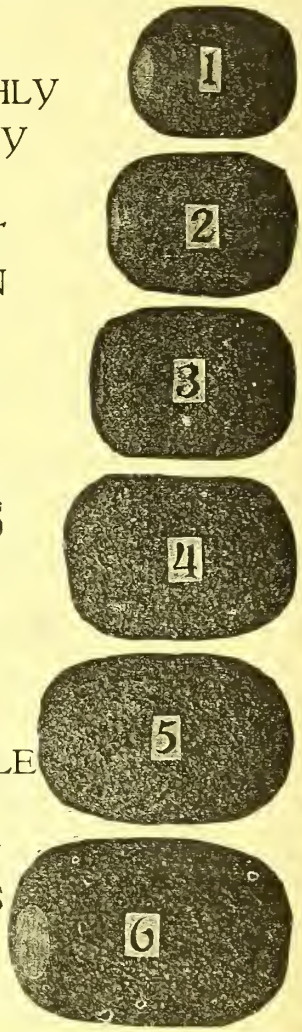
77 Southwark Street, London, S.E.

FEATHEREDGE RUBBER SPONGES

THOROUGHLY SANITARY AND DO NOT HARDEN

Very **GOOD PROFITS** for the Retailer

OBTAINABLE OF ALL DRUGGISTS' SUNDRIES HOUSES



Markt & Co., London,

——LTD.——

American Merchants,

SOLE IMPORTERS,

98-100 CLERKENWELL RD.,

LONDON, E.C.

BEST BRITISH MAKE.

THE "VĒVAX" Crêpe Bandage

Recommended for Varicose Veins, Rheumatic Gout, Diseases of the Joints, Swelling of the Legs.

Sizes
2 IN. 2½ IN. 3 IN.
3½ IN. 4 IN.
Wide.

ALLOWS FREE CIRCULATION.

SELF CLINGING, LIGHT & SOFT IN TEXTURE.

A PERFECT SUBSTITUTE FOR RUBBER OR ELASTIC WEBBING FOR ALL BINDING PURPOSES

Wholesale only, R.J.R. 69, Carter Lane, London. E.C.

FACSIMILE OF OUR NEW SHOWCARD FOR

"VĒVAX" ORDINARY CRÊPE BANDAGES

PRICES.

Width ...	2 in.	2½ in.	3 in.	3½ in.	4 in.	
"Vēvax" Ordinary ...	11/6	13/9	16/6	18/6	21/-	per doz.

Approx. 70 % Pure Wool. (Single Green Line)

"Vēvax" Ordinary measures about six yards when fully stretched.

"Aseptus" Crêpe	8/-	10/3	12/6	14/-	16/6	per doz.

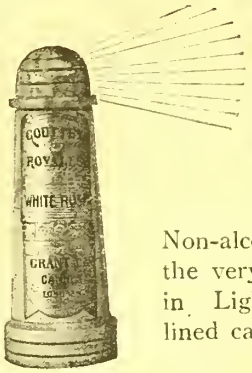
Approx. 33 % Pure Wool.

Other widths to order only. Usual discount.

On six dozen of a kind assorted we print Customer's Name and Address.

SOLE WHOLESALE DEPOT—

R. J. REUTER, 69 CARTER LANE, LONDON, E.C.



GOUTTES ROYALES

Non-alcoholic Perfumes of the very best quality, packed in Lighthouse and velvet-lined cases.

B 0451. **18/6** per doz. subj.
B 0452. **23/-** „ „

We have large stocks of Corbyn's Eau de Cologne and all Perfumes, and can deliver promptly.

F. SCHUTZE & CO., LTD.,
BLACK BULL WORKS,
Caledonian Market, London, N.

BRITISH LANOLINE

"Empire Brand."

ADEPS LANÆ

P.B.

HYDROUS and ANHYDROUS.

Specially prepared by Qualified Chemists for Pharmaceutical use.

Equal to anything on the Market.

Manufactured by

THE BRITISH LANOLINE CO.

(Sole Proprietors: HOWARD LLOYD & CO., Ltd.)

LEICESTER.

Inquiries Solicited.

BRITISH MADE — **NOTICE.** — BRITISH INVENTION

WHOLESALE & RETAIL HOUSES. A NEW LINE. Write to-day for Samples & Quotations of the new

Packed in Art Boxes.

"QUALA"

TRADE MARK

Profit to the Trade $33\frac{1}{3}\%$
Carriage Paid to All Parts.

RUBBER MILK SPONGES

Retail Prices: **2/6 & 5/6** each.

THE MORE YOU SOAP THEM THE BETTER THEY GET.

Every mother needs one for her baby and self. *The only Rubber Milk Sponge made in the World.*

RUBBER SPONGES, LTD., 15 Angel Court, London, E.C.

Sales Manager: F. QUELCH-WOOLLS. *Works: BRENTFORD, MIDDLESEX.*

THE MOST ECONOMICAL INFANTS' FOOD.

ON P.A.T.A. LIST. *SHOWCARDS FREE.*

FRAME FOOD CO., Standen Road, Southfields, London.

STOVAINE

THE LEAST TOXIC OF LOCAL ANÆSTHETICS

USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: *Literature on demand.*

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRERES

92, RUE VIEILLE DU TEMPLE, PARIS.

Are You Throwing Money Away?

OF course you wouldn't do such a thing! Yet every time you refuse an inquiry for "CARMEX" you throw away at least 4d.—and many other fourpences on the repeat orders that would have come to you. Isn't it worth while getting in a stock of

P.A.T.A.
Retail - 1/3

Carmex

P.A.T.A.
Per doz. 11/-

The New Remedy for Infants' Ailments.
Advertised in the Press and leading journals.

From Sangers', Barclay's, Edwards', etc. Raimes', Glasgow Apothecaries' Co., etc., or direct.

WILLIAM BROWNING & Co., Manufacturing Chemists,

Albert Works, Park Street, London, N.W.

Telephone - Hampstead 4046. Telegrams - "Semprolin, Norwest, London."

KINSOL (Regd.)

MEDICATED TOILET SOAP.

KINSOL gives entire satisfaction.
GOOD PROFITS. No Cutting.
Display offer. Showcards supplied.

Price and Sample on Application.

"ERASMIC," Perfumers, WARRINGTON.

TETLOW'S

"Swan Down" Face Powder

enjoys the largest sale of any Face Powder in the world. Last year over **One Million Boxes** were sold in the United Kingdom.

"**SWAN DOWN**" is now being advertised regularly in 28 of the leading daily, weekly and monthly periodicals, including

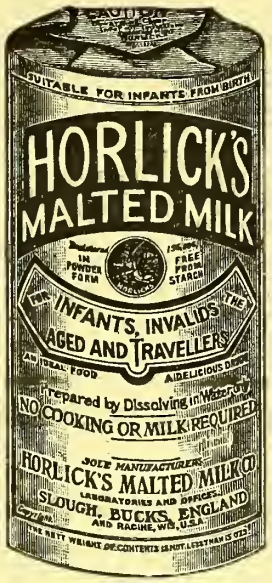
The Daily Mail	The London Mail	Forget-me-Not
The Daily Mirror	Home Chat	Girl's Friend
The Daily Sketch	Home Notes	Family Herald
The Sunday Pictorial	Woman's World	Family Journal
The Sunday Herald	Home Companion	Weldon's Ladies' Journal
London Opinion	Woman's Weekly	Weldon's Home Fashions

As these 28 papers have a united circulation of over Twelve Million copies, we are looking forward to a very considerable increase in the sales, and we therefore urge upon you most strongly to see that your stocks are fully maintained, especially in view of the fact that we are still not able to meet our normal demand as readily as has been our custom in the past, owing to the great difficulty of obtaining sufficient freightage from the United States.

74/- per gross. **Minimum Retail Price, 7½d. per box.**
Bonus of 2 dozen with each gross. P.A.T.A.
Profit, 29/- per gross.

Or from all London and Provincial Wholesale Houses.

Showcards and other Advertising Matter on Application.



THE PACKAGE.

HORLICK'S MALTED MILK

THE IDEAL FOOD FOR ALL AGES.

NO ADVANCE IN PRICES OF EITHER POWDER OR TABLETS

Prices in single dozens, in both powder and tablet forms:

	Liquid Capacity of Bottles.			
1/6 SIZE	- 9 OZ.	- **14/9** per dozen.	Packed 1 dozen in a case.
2/6 SIZE	- 19 OZ.	- **24/9** per dozen.	Packed 1 dozen in a case.
11/- SIZE	- 99 OZ.	- **100/-** per dozen.	Packed 3 and 4 in a case.

If FULL dozens are ordered and an order made for £8 8 0 CARRIAGE WILL BE PAID IN GREAT BRITAIN, and the prices of the 1/6 and 2/6 bottles will become 14/- and 23/- per dozen each. Both powder and tablets and bottles and flasks may be included in the £8 8 0 lots. Less than one dozen 11/- bottles are charged at higher rates, and carriage is paid ONLY on the full £8 8 0 order. 1% for cash in seven days.

TABLETS ONLY IN FLASKS

ESPECIALLY CONVENIENT FOR SPORTSMEN, ATHLETES, CYCLISTS, TRAVELLERS, AND H.M. FORCES.

PACKED ONE DOZEN IN CARTON FOR COUNTER DISPLAY.

6d. SIZE, **4/6** per doz. **£2 10 0** per gross.
1/- SIZE, **9/-** per doz. **£5 0 0** per gross.

See above for terms and assortments.

Ration Tins **12/6** per doz., plus carriage, for any quantity.

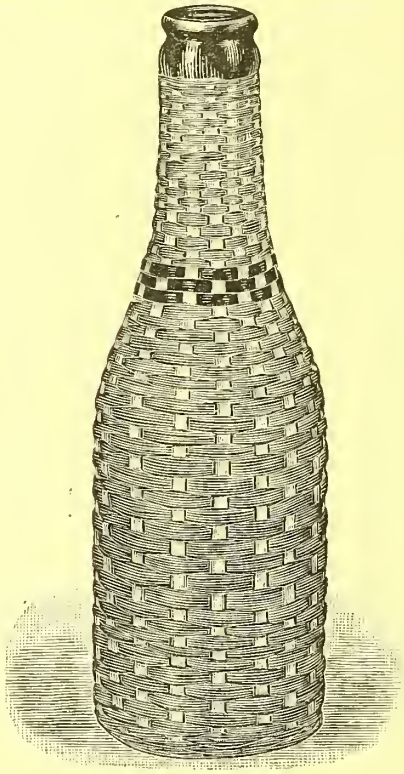
SOLE MANUFACTURERS:—

Horlick's Malted Milk Co.,
SLOUGH, BUCKS, ENGLAND.

THE FLASKS.

Wickered Bottles

FOR THE TRADE.



We guarantee prices 5 to 10% cheaper than invoice prices of any other firm in Britain.

Styles and quotations on application.

RIVERS, HILL & CO., Ltd.
Broadstone, Dorset.

HONEY! HONEY!

"JOYBELLS" HONEY.
The choicest and most delicious honey procurable. Screw-top Glass Jars, **9s. 9d.** and **5s. 9d.** per doz.
"JOYBELLS" HONEY. Red Earthenware Pots, **9s. 3d.** and **5s. 3d.** per doz.: in Bulk, **8½d.** per lb. Tins charged and returnable.
The Institute of Hygiene state: "We are satisfied that 'Joybells' Honey is a genuine product, possesses the distinctive flavour imparted to bee honey, and is a most pleasant and wholesome article for general table use."

"SUMMERLAND" HONEY.
Equals that usually sold as Finest Clover Honey. Screw-top Glass Jars, **8s. 9d.** and **5s. 6d.** per doz. In Bulk, **7½d.** per lb.

"SWEET FLOWER BELL" HONEY.
Fine Quality. Clean Flavour. Tie-Over Red Earthenware Pots, **7s. 9d.** and **4s. 9d.** per doz. In Bulk, **6½d.** per lb.

BEESWAX. Choice quality, **1s. 8d.** per lb.; 1-oz. Moulds, **1s 6d.** per doz.

Carriage paid anywhere in England on orders of £2 value. Samples 3d.

STANDARD HEALTH FOOD COMPANY
(With which is incorporated The Berkshire Honey Co.)
Honey Specialists. READING, BERKS.

Do You Sell
Sister Lauras Food?

The question is often asked nowadays.
The Chemist who does not stock Sister Lauras Food is missing a good line.
Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged.
It makes milk digestible and is invaluable in cases of malnutrition.
It is a thoroughly reliable line and one that brings a handsome return.

Price 1/- & 2/6 per tin. *Samples and advertising matter free on application.*

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street, GLASGOW.

INDEX & BUYERS' GUIDE

See Page 5.

Headquarters for **Photographics**

Chemists should write us for PRICE LIST and full particulars of all Photo requisites.

W. BUTCHER & SONS, Ltd. CAMERA HOUSE, FARRINGDON AV., E.C.

BLACK AND TRANSPARENT RUBBER
FEEDING BOTTLE TUBING
NUMEROUS PATTERNS AND SIZES OF HYGIENIC AND ORDINARY
FEEDING BOTTLE TEATS
CARDED COMFORTERS.
THE ALTRINCHAM RUBBER COMPANY,
Mossburn Buildings, Stamford New Rd., Altrincham.

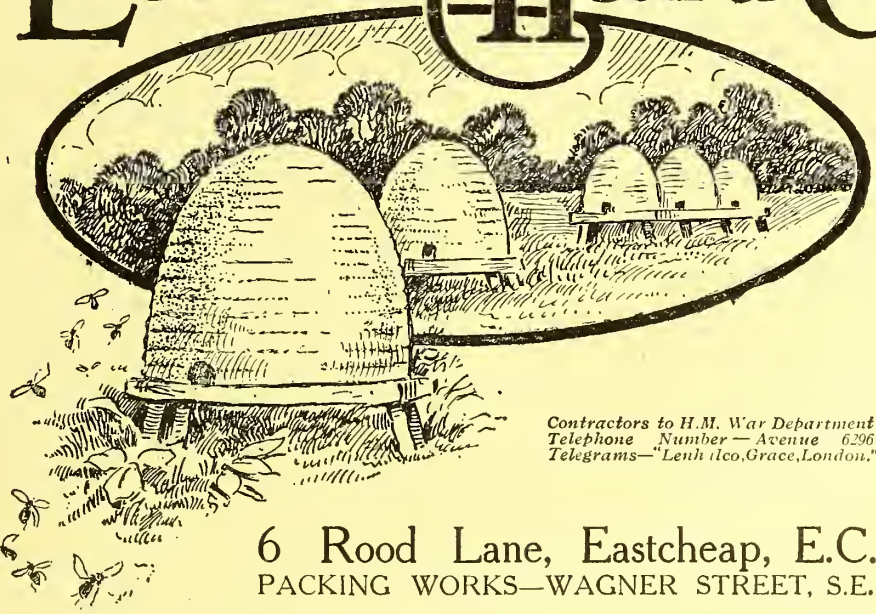
BRILLIANT PLATE.
"ALBATUM OR WHITE ROUGE"
GIVES A UNIQUE POLISH TO ALL SILVER AND ELECTROPLATED GOODS.
In 6d. and 1/- Boxes, and Tins, 2/-
BRADLEY AND BOURDAS,
6 PONT STREET, S.W.

STOCK HONEY
FOR
WINTER SEASON
NOW.

Prices are Favourable.

Honey is in rapidly increasing demand.
Our various brands are profitable and quick sellers, and you have a splendid opportunity to sell an article which will make money for you.
We pack only the best and purest.
Drop us a line for prices and samples.

Leonard Hall & Co



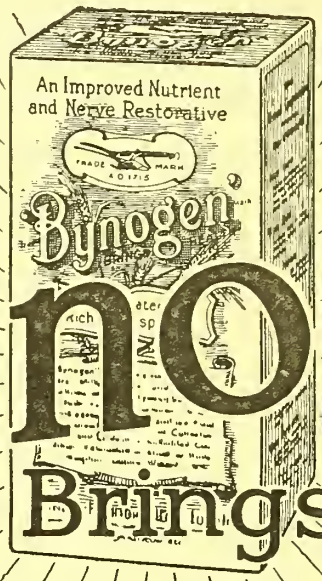
Contractors to H.M. War Department
Telephone Number — Avenue 6296
Telegrams—"Lenh ilco, Grace, London."

6 Rood Lane, Eastcheap, E.C.
PACKING WORKS—WAGNER STREET, S.E.

The Improved Casein-Glycerophosphate Food

'Bynogen'

Trade Mark



Brings Health

An Easily Digested Nerve Food Rich in Phosphorus

Composition of "Bynogen."

"Bynogen" is a combination of pure Milk Protein, 75 per cent., and specially prepared Dextrin-Maltose, 20 per cent., with 2 per cent. each of the Glycerophosphates of Soda and Lime, and 1 per cent. of Glycerophosphate of Magnesia.

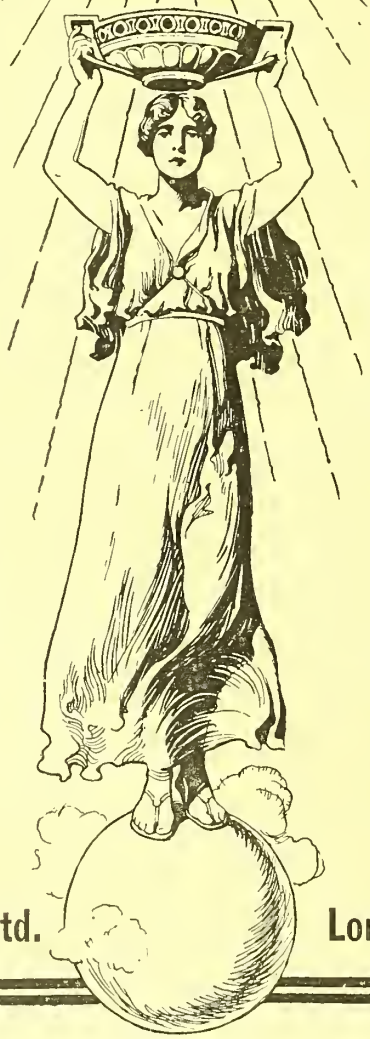
Uses of "Bynogen."

"Bynogen" is indicated in all Enfeebled Conditions, in Convalescence after Severe Illness, Mental and Nervous Exhaustion due to worry or overwork, Insomnia, Physical Fatigue, Wasting Diseases, Anæmia, Digestive Troubles, etc.

"Bynogen" is very helpful to Nursing Mothers for overcoming the strain caused by breast feeding.

Minimum Retail Prices: 1/9 and 3/- per bottle.

Gross Wholesale Prices: 17/- and 29/- per doz. bottles respectively.



A Concentrated Nutrient and Restorative

Advantages of "Bynogen."

"Bynogen" possesses a most attractive flavour and thereby overcomes the objection hitherto experienced in other somewhat similar products.

"Bynogen" strengthens digestion, improves nutrition, and does not cause constipation.

"Bynogen" is delicious when sprinkled on puddings, toast, etc. It mixes readily with milk and other fluids, or it may be eaten plain if desired.

Profit on "Bynogen."

"Bynogen" yields a profit on return of 25% monthly a/c terms. When "Bynogen" forms part of a £5 carriage paid general order for the "Allenburys" Specialities the profit on "Bynogen" is increased to 27½%

SAMPLES AND DESCRIPTIVE LEAFLETS FREE ON REQUEST

Allen & Hanburys Ltd. Lombard St., London.

ESTAB 1859

THE CHEMIST & DRUGGIST

Winter Issue
Jan. 27, 1917.

PRICE LISTS & CIRCULARS INSERTED

For terms apply to
THE PUBLISHER,
42 Cannon Street,
LONDON, E.C.

BRANCHES: MELBOURNE, SYDNEY, ADELAIDE

Chymol

OCTOBER 1916.

Special Offer No. 3.

(P.A.T.A.)

NEARLY 100% PROFIT

ON YOUR INVESTMENT.

(This offer may be withdrawn at any time without notice.)

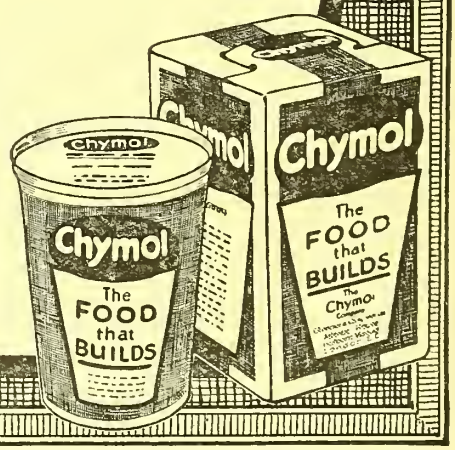
WINDOW DISPLAY DETAILS.

	s.	d.		s.	d.
8 doz. 1/- Chymol at 9/- ...	72	0	Selling price, 9 doz. at 1/-...	108	0
6 doz. 2/6 Chymol at 24/- ...	144	0	,, ,, 7 doz. at 2/6...	210	0
	216	0		318	0
Less 5 per cent. for display ...	10	10	Less cost	163	2
Invoice price ... ... (For 1 month's Window Show)	205	2	NET PROFIT	154	10
1 doz. 1/- free, 1 doz. 2/6 free	42	0			
	163	2			

Give size of Window Space for 1 Month's Window Show with Order.

Sent direct or through your Wholesaler.

THE CHYMOL COMPANY Ltd.,
ATLANTIC HOUSE,
HOLBORN VIADUCT, LONDON, E.C.



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TRADE MARK

FOR

FINE CHEMICALS OF ALL DESCRIPTIONS.
STANDARDISED TINCTURES AND EXTRACTS.
CONCENTRATED INFUSIONS AND DECOCTIONS.
DISINFECTANTS.
POWDERED DRUGS, STANDARDISED.
COMPRESSED TABLETS.
CONCENTRATED SOLUBLE ESSENCES.
CHEMISTS' PACKED SPECIALITIES.
DRUGGISTS' SUNDRIES.
HOSPITAL EQUIPMENT.
SURGICAL INSTRUMENTS AND DRESSINGS.
CHEMICAL FOOD.
EXTRACTS, SOLID AND LIQUID.

Specialities of the Firm.

ELIXIR SENNÆ LEGUM. (BAISS).
EMULSION OF COD LIVER OIL. (BAISS).
(Gold Medal awarded XVIIth International Congress of Medicine, London, 1913.)
GLYCEROL HEROIN c. TERPINHYDRAT. (BAISS).
LIQ. COLCHICINÆ SALICYL. (HOPKINSON'S).
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BAISS BROTHERS & COMPANY, Ltd.

Wholesale and Export Druggists, Manufacturing Chemists and Makers of Surgical Instruments,

Contractors to His Majesty's Government; the Crown Agents for the Colonies; various Foreign Governments; and the principal Hospitals and Institutions at Home and Abroad.

Grange Works, 174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E.

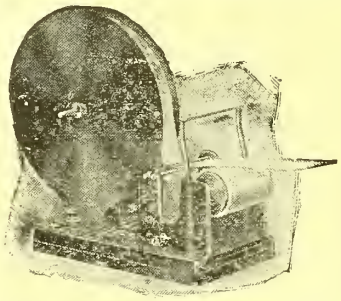
Drug & Herb Farm: CARSHALTON, SURREY. **Established 1833.**

FINEST
NORWEGIAN
Medicinal Non-freezing
COD LIVER OIL

The Cheapest & Best on the Market.
Special Facilities. Let us have your Enquiries.

ISAAC SPENCER & CO. (ABERDEEN) LTD. ABERDEEN

HOW do you seal your Parcels?



This little machine, the "DEMON," will secure them with Gummed Paper Tape NEATLY, QUICKLY & EFFECTIVELY at a fraction of the cost of string or sealing-wax.

Send a postcard for particulars to
FAIRE BROS & CO., Ltd., Leicester
And 19 Fore Street, London, E.C.

THE
BRITISH WAX REFINING
COMPANY, LIMITED.

WHITE BEESWAX
YELLOW BEESWAX
Slabs, Bars, Tablets or Discs
CERESINE WAX
Bleached Carnauba Wax
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All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY.

Registered Office:
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A BARGAIN.

QUININE.

Everyone is looking out for a Bargain, that is to say, where they can buy low and sell at a fair profit. Our present object is to give you an opportunity of purchasing our

PALATINOIDS and PULVERETTES of QUININE

at the cost of Sulphate of Quinine to-day. The prices given below we know can be competed with at the present price of Quinine, and in fact they are approximately, with the additional cost of labour and the actual cost of the Palatinoids and Pulverettes offered, prices strictly net.

PALATINOIDS.

Quinine Sulphate	....	gr. 1	....	No. 114	....	**2/-** gross,	**12/8** per 1000
,, ,,	....	gr. 2	....	,, 115	....	**3/4** ,,	**21/-** ,,
,, ,,	....	gr. 3	....	,, 116	....	**4/3** ,,	**26/10** ,,

PULVERETTES.

Quinine Sulphate	....	gr. 1	....	**1/2**	per 100	....	**9/6**	per 1000
,, ,,	....	gr. 2	....	**1/9**	,,	....	**15/9**	,,
,, ,,	....	gr. 3	....	**2/4**	,,	....	**21/-**	,,
,, ,,	....	gr. 5	....	**3/2**	,,	....	**28/6**	,,

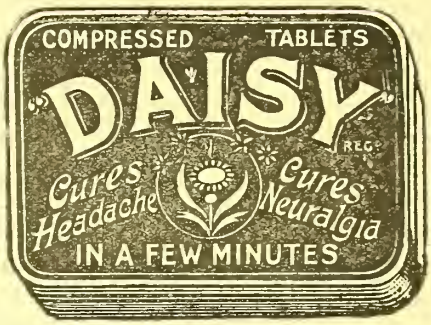
Awarded only Gold Medal at the International Medical Congress, many Grands Prix, Gold Medals and other awards at the principal Exhibitions held throughout the world.

OPPENHEIMER, SON & CO., LTD.,

179 QUEEN VICTORIA STREET, LONDON, E.C.

British House, British Capital, British Staff, all Goods Manufactured in Great Britain.

"DAISY" COMPRESSED TABLETS.



Responding to many requests from our customers, we are now producing our Headache and Neuralgia Cure in scientifically prepared Compressed Tablets, in addition to our popular Powder.

These Tablets are packed in small neat tins, which are very suitable for the vest pocket or purse. Being a convenient form of the old-established and world-famed "Daisy" Headache Cure, they are sure to be in great demand as soon as the public learn of their existence. We are preparing A SPECIAL ADVERTISING CAMPAIGN which is sure to bring immediate inquiries. Pharmacists are therefore well advised to have stocks ready.

Full particulars and prices on application.

DAISY LTD. Mammoth Works, LEEDS.

ESTABLISHED 1893. *TELEGRAMS: "DAISY LEEDS."*

The best ammunition for the photographic TANK, and a new source of profit for you.

'TABLOID' BRAND
(Trade Mark)

TRADE **'TANCOL'** MARK

DEVELOPER

Very popular with amateur photographers who use a tank for development. The demand is steadily growing. If you have not yet obtained a stock do so without delay and let photographers know and see that you sell 'TANCOL.'

Price 16/0 *per dozen cartons, subject*

'TANCOL' was originated and is manufactured by

BURROUGHS WELLCOME & CO., LONDON

G 741

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TABLETS

Close Prices for Quantity.

PILLS

Contractors to H.M. War Office.

Write:=
H. & T. Kirby & Co. Ltd.,
Newman House, Belton Road,
Willesden Green, London. N.W.

Wire:=
Kirby Limited Willroad London
(3 words only.)

'Phone:=
Willesden. 1412.

ESTABLISHED 1866

The *Lancet* describes it as "Mr. Benger's admirable preparation."

BENGER'S

GOLD MEDAL AWARDED HEALTH EXHIBITION, LONDON.

Wholesale of all Wholesale Houses and Shippers or from the Manufacturers

BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng.

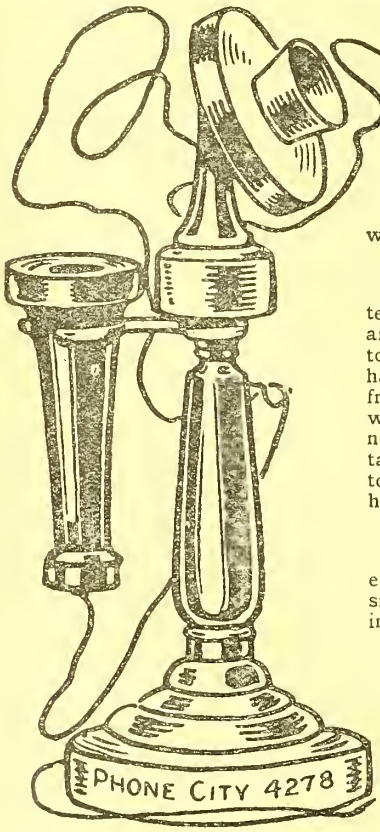
Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A.
Canadian Agents: The National Drug and Chemical Co., Ltd., Montreal & Branches.

ON THE P.A.T.A.

The *British Medical Journal* says: "Benger's Food has by its excellence established a reputation of its own."

FOOD FOR INFANTS

INVALIDS AND THE AGED.



MORE PHONO-CHAT.

Ring ! ! !

"Hallo ! Who are you ? "

"Oh ! I am the Telephone Girl. You will recall that you wanted to know how I got on at Mr. So-and-so's of———"

"Yes, that's so, because I wanted to profit by experience."

"Well, I sold more than the six dozen Zepto Pencils in the ten days, and the chief purchasers were Munitioners, and, of course, the Boys in khaki and blue, but *everyone* seems to want them, right down to children. You see, Zepto does not harm the enamel, and does its work so thoroughly that one friend is glad to recommend it to another, and what's more, was not Mr. Chemist pleased ! The P.A.T.A. 66⅔% profit is not picked up every day, and he gets more than that when he takes into consideration the generous terms, likewise the toothbrushes, tooth powders, and other dental requisites he has sold with my assistance."

"Did he, by Jove !"

"Yes, and I think that it would be just as well for you to extend that invitation to me now to come along with my six dozen Zepto Pencils and start helping your window to bring in more business than it ever did before. May I come along ?"

"You may, and per return if you can."

CHRISTY'S,

OLD SWAN LANE
E.C.

THE CHEMIST AND DRUGGIST

A Weekly Journal of Pharmacy and of the Chemical and Drug Trades
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official Journal of eighteen Chemists' Societies in Australia, Ireland, New Zealand, South Africa, and the West Indies.

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Coming Events.

Sunday, November 26.

Pharmacist Volunteer Training Corps, Duke of York's, Chelsea. 9.30 A.M., Staff parade. At 12, lecture on "Water-analysis" to Sections 1, 2, 3, 4. The bacteriological lectures by Dr. E. Burnet will be given on November 29 and 30 at 17 Bloomsbury Square, W.C., at 2.45 P.M.

Tuesday, November 28.

North London Pharmacists' Association. Enfield meeting.

Wednesday, November 29.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8 P.M. Mr. J. Adamson (President) on "East and West—An Incompatibility," Miss M. Grant Boag on "Women in Pharmacy," and Jay Mack on "Wages and Profits."

Ealing Pharmacists' Association, Boul's Restaurant, at 7.30 P.M. Whist-drive; profits to the Benevolent Fund. Tickets (3*s.* each) from Mr. Arnold Roberts, 171 High Street, Acton, W.

Thursday, November 30.

County of Essex Association of Pharmacists, 17 Bloomsbury Square, London, W.C., at 3 P.M. Meeting.

Ucal Lodge of Pharmacy, Cannon Street Hotel, Cannon Street, London, E.C. Annual meeting and address by Mr. Harold Miller.

European War News.

Import and Export Notices.

FRENCH COLONIES.—A decree of the Minister for the Colonies, dated October 28, provides that the following articles, which were prohibited to be exported from French Colonies and Protectorates (other than Tunis and Morocco) by a presidential decree of October 18, may, by way of exception, be exported or re-exported from such Colonies and Protectorates, without special authorisation, when consigned to the United Kingdom, the British Dominions, Colonies, and Protectorates, and certain other countries: Arrack; bituminous limestone; blacking, etc. (*cirages*); borax, boric acid, and other boron compounds; cinnamon; cloves; fatty acids of all kinds; metallic chlorides, except chlorides of gold and of platinum; chlorides of metalloids; sodium; spermaceti; sulphurous anhydride; and varnish.

NETHERLANDS.—The exportation of all spices and "odoriferous substances" has been prohibited as from November 11.

SWEDEN.—The following articles have been added to the list of goods which are now prohibited for exportation from Sweden to all countries and also for transit through Sweden: Liqueurs and other spirituous beverages except absinthe; celluloid and celluloidin; materials for the manufacture of celluloidin; waterglass; hypochlorites of sodium, potassium, aluminium, magnesium, and zinc.

UNITED KINGDOM.—Cocaine and its salts and preparations have been removed from the "B" schedule and placed in "A," which means that the export is prohibited to all destinations; casein and preparations thereof have been removed from "C" to "B" list; oils, essential (except turpentine oil) is a new entry in "C" list.

Personalia.

LIEUTENANT C. H. JARDINE, of the Royal Scots, is home at Juniper Green, Edinburgh, on leave.

COUNCILLOR S. STEPHENS, dispensing chemist, Milnsbridge, has received news that his youngest son, Lieutenant J. A. Stephens, East Yorks Regiment, has been wounded in action.

PRIVATE HERBERT GORDON, who was warehouseman to A. Clunie & Co., Manchester, is at present in hospital at Newport, Mon., recovering from shrapnel-wounds received in France.

CAPTAIN W. H. PERKINS, Durham Light Infantry, who is reported wounded, was, previous to joining the Army, assistant lecturer and demonstrator in the chemistry department of the Leeds University.

CAPTAIN GEORGE HICKS, of the Argyll Mountain Battery R.G.A., who has been recommended for the Military Cross for services in the Balkan campaign, is a Rothesay man, a chemist by profession, and his comrades have been saying that they are giving the Bulgarians a "few good doses of Hicks's pills."

MR. F. O. LANE, partner in the firm of Charles Lane & Sons, Idol Lane, London, E.C., has been gazetted as second-lieutenant in the Machine Gun Corps. Sergeant (now Second-Lieutenant) Maurice Lane, of the same firm, has been awarded the Military Medal for services at the battle of Loos.

LIEUTENANT O. M. MILLS, of the Cheshire Regiment, has been awarded the Military Cross. He joined the Army Service Corps in March 1915, and received his commission while abroad. He is twenty years old, and before joining the Army was with Milling-Johnson, Ltd., dispensing chemists, Town Hall Square, Chester.

SECOND-LIEUTENANT (TEMP. CAPTAIN) C. F. HENRY, of the Argyle and Sutherland Highlanders, has been awarded the Military Cross "for conspicuous gallantry in action. He gallantly led his company in the attack. Later, although wounded, he remained at his post, consolidating the position, for twenty-four hours. He set a fine example to his men." He is the son of the late Claude F. Henry, chemist and druggist, Edinburgh.

LANCE-CORPORAL D. KEMP, Bexley Heath, who was awarded the Military Medal for bravery in the field on October 12, was, previous to his enlistment in October 1915, employed by Burroughs Wellcome & Co. at the Wellcome Chemical-works, Dartford. He went to France in May. When writing home he modestly refers to the exploit which gained him this honour as follows: "I was one of the lucky ones, and happened to be noticed."

LANCE-CORPORAL H. W. S. WYNTER, London Regiment, second son of the late Ernest C. Wynter and Mrs. David Marchant, of Eastbourne, has been awarded the Military Medal for gallantry in recent operations on the Somme. Lance-Corporal Wynter is a Minor man, having passed

this examination in January 1910. He has completed two years' active service. In one engagement he was among twenty who returned out of 150. He has had many escapes, one of them being when a bullet went through his steel helmet.

Staff-Sergeant H. Rawlinson, of the Australian Medical Corps, spent last week in London. He was apprenticed to Mr. C. H. Hughes, Maryborough, Queensland, whose son, Mr. R. H. Hughes, studied at the London College of Pharmacy and passed the Minor examination in January 1910. Mr. Rawlinson studied with Mr. R. C. Cowley, F.C.S., at the College of Pharmacy in Brisbane, and qualified by passing the examinations of the Queensland Pharmacy Board at the beginning of this year. He was in the Military Reserve, and as soon as he qualified joined up, becoming a Staff-Sergeant in the pharmacy section of the A.M.C. He came from Queensland in a transport, acting as dispenser. Previously he had good experience with the Forces in Australia in a similar capacity.

Military Tribunals' Decisions.

Aberdeen.—The claim for exemption made by Davidson & Kay for John Craig was not allowed, but he is not to be called up for two months.

Bourne.—Mr. C. H. M. Baxter, chemist and druggist, on November 1 had his conditional exemption confirmed. This was appealed against by the military authorities, but the Kesteven Tribunal continued his exemption until March 31.—The further exemption was refused of Sydney Harrison, assistant to Mr. E. H. Judge, dispensing chemist. Mr. Judge is appealing against this decision.

Exeter.—Exemption until January 1 was granted to Mr. E. G. Bryan, dispensing chemist at the Devon County Asylum.

London (City).—A fortnight's respite was granted to S. J. Deverson, bookkeeper with John Murdoch & Co., drug-shippers.

Richmond-on-Thames.—Mr. Rex Blanchford, dispensing chemist, applied for further exemption for the manager of his Richmond business, but the Tribunal decided that he had no case.

Shoreditch.—Four months' exemption was granted to F. J. Bartlett, manager of the printing department at C. J. Hewlett & Son, Ltd., Charlotte Street, E.C., who is indispensable on account of his knowledge of Latin.

Southwark.—Exemption was refused for a pill-maker employed by Wright, Layman & Umney, Ltd., Southwark Street, S.E.

Stamford.—Exemption was refused by the Kesteven Appeal Court to B. E. Pitt, apprentice with Mrs. Dickinson.

Stratford-on-Avon.—The military authorities appealed against the grant of conditional exemption to J. L. Miller, assistant with Mr. F. D. Spencer, dispensing chemist, but the appeal was refused.

Strood.—One month's exemption was granted to H. B. Burr, assistant with Ostler & Green, Ltd.

Torrington.—Exemption was refused for C. H. Harris, assistant with Mr. J. J. Handford, dispensing chemist.

Wallasey.—The exemption certificates of ten chemists or assistants were withdrawn, but in most cases temporary exemption was allowed until the end of the year.

Warminster.—Exemption until March 30 was granted Mr. W. B. Cook, manager of the Codford branch of Mr. F. Cook, dispensing chemist, Warminster.

Woking.—Two months' exemption was granted to W. T. Grout, dispenser with Mr. J. Wearing, chemist and druggist.

Bankruptcy Reports.

Re Heber Jonathan Mason, Harrogate. Drug-store Proprietor.—The following are trade creditors in this matter: Breidenbach & Co., London, 13*l.*; S. Harris, Cardiff, 14*l.*; Opponheimer, Son & Co., Ltd., 15*l.*; Potter & Clarke, Ltd., 14*l.*; B. Robinson & Co., Ltd., 10*l.*; Parke, Davis & Co., London, 9*l.*

Re Charles J. Willis.—This debtor, who is managing a chemist's business for his wife at Easton, Isle of Portland, and who up to 1897 was established as a chemist in Clarence Street, Cheltenham, he becoming a bankrupt in 1897, applied for his discharge at the Cheltenham County Court on November 16. After a statement by the Official Receiver, Judge Ellicott, in giving his decision, said he must take into consideration the debtor's age (53), and that it was nineteen years before he applied for his discharge. But for those two circumstances he would have suspended debtor for a considerable time. Under the circumstances he granted the discharge, with a suspension of two years and eight months, which is eight months in excess of the minimum.

English and Welsh News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Funeral of Mr. David Howard.

The funeral of the late Mr. David Howard took place at St. John's Church, Buckhurst Hill, on Saturday, November 18, amid many manifestations of respect, a congregation of about 300 being present at the service, which was conducted by the Bishop of Chelmsford, the Bishop of Barking, and Dr. Woodhouse. The family mourners and principal friends included Mrs. David Howard, Mr. and Mrs. D. Lloyd Howard, Miss Howard, Miss M. Howard, the Rev. F. A. Howard, Mr. and Mrs. C. S. Crossman, Mr. and Mrs. B. F. Howard (sons and daughters), Mr. and Mrs. Eliot Howard, Mr. Henry Howard, Mr. R. L. Lloyd, Mr. and Mrs. J. B. Snell, Mr. and Mrs. Arthur L. Sturge, Mr. W. A. Fox, Miss E. Fox Howard, Mr. and Mrs. Francis E. Howard, Mr. and Mrs. Geoffrey E. Howard, Messrs. Herbert Fowler and T. McKenzie Fowler (nephews and nieces), Mr. Arthur Baines (brother-in-law), Mr. and Mrs. Alfred G. Howard and Mr. Claud F. Howard (cousins), Mr. Edward North Buxton, Sir William Johnstone, Mr. and Mrs. Andrew Johnston, Canon Swallow, Canon Russell, Mr. Ernest Wild, K.C., Mr. Lawrence Savill, the Mayor of West Ham, and Dr. P. S. Nicoll.

Among those who represented science were Dr. Charles Carpenter (President of the Society of Chemical Industry), Stanley E. Carr (for the Chemical Society), Professor J. Millar Thomson, LL.D., F.R.S., and R. B. Pilcher (for the Institute of Chemistry), R. M. Leonard (Secretary Bribery Prevention League), W. Whitaker (President Essex Field Club). Among those connected with the chemical and drug trades were Felix Berk (F. W. Berk & Co., Ltd.), E. N. Ball (Spencer & Co.), R. Blenkinsop (May & Baker, Ltd.), H. Buchler, G. Bult Francis (British Drug Houses, Ltd.), R. W. Greeff and E. Arnold (R. W. Greeff & Co.), Geo. Greenhough (D. W. Greenhough & Son), F. Grimwade (Grimwade, Ridley & Co.), — Grosscurth and — Luboldt (Grosscurth & Luboldt), C. Jackson (Whiffen & Sons, Ltd.), R. W. Lambert (Saml. Lambert & Co.), A. Macdonald (J. F. Macfarlan & Co.), Donald Mackenzie (T. & H. Smith, Ltd.), T. Pierre Morson and Thomas D. Morson (T. Morson & Son, Ltd.), F. R. Perry (Cory & Co.), Edmund White (Hopkin & Williams, Ltd.), Paul White (A. White & Sons), and many others.

The only embellishment on the coffin was a cross of cinchona-bark, made entirely on their own volition by the workmen of Howards & Sons, Ltd., at Ilford. Some seventy members of the staff followed the procession from the house to the church.

Y.M.C.A. Microscopical Exhibition.

On Friday, November 17, the microscopical section of the Y.M.C.A. held a conversazione in the Association's fine buildings in Tottenham Court Road, London, when there was a large attendance of ladies and gentlemen, the majority of the latter being in khaki. The programme consisted of cinematograph displays of living micro-organisms, a lantern-lecture by Mr. F. Martin-Duncan on "Some of Nature's Fly-traps," and a lantern-lecture by Dr. G. H. Rodman on "What the Microscope Reveals in Every-day Objects," while there was an exhibition of microscopic objects, a large number of microscopes having been lent by members of the various microscopical societies. The proceedings were opened by a few remarks from the Chairman, Colonel Sir T. Sturmy Cave, K.C.B., who introduced Princess Christian, by whom the exhibition was declared open. The feature of greatest interest appeared to be a fine selection of cinematograph views of living organisms in the blood, these including the filarialoa or daytime filaria, the organism that produces sleeping sickness. Another characteristic set of views showed the spontaneous agglutination of trypanosomes. The ticks that produce relapsing fever were shown, and the spirochætes of syphilis, as well as sets giving exceedingly interesting views of the circulation of the blood. The conversazione was under the management of Mr. J. W. Ogilvy, F.R.M.S., and its great success was the best evidence of the work he put into it.

War-Office Contracts.

The following contracts were concluded during October: *Chemicals*: F. W. Berk & Co., Ltd.; P. Spence & Sons, Ltd. *Chloride of Lime*: United Alkali Co., Ltd., 30 James Street, Liverpool. *Dental Outfits*: C. Ash, Sons & Co., Ltd.; Dental Manufacturing Co., Ltd. *Disinfectants*:

Celtic Chemical Co. *Disinfectants* (term contracts): A. Ashworth; J. T. Hackett & Co.; T. Moscrop & Co., Ltd. *Furniture, Aseptic* (term contract): Allen & Hanburys, Ltd. *Medicines*: Blagden, Waugh & Co.; Burroughs Wellcome & Co.; W. B. Cartwright, Ltd.; A. H. Cox & Co., Ltd.; Coxeter & Son; Hough, Hoseason & Co.; Howards & Sons, Ltd.; Johnson & Sons, Manufacturing Chemists, Ltd.; Matthews & Wilson, Ltd.; Parke, Davis & Co. *Medicines* (term contract): Howards & Sons, Ltd., Ilford. *Methylated Spirit*: W. T. Alexander; Bristol Distilling Co., Ltd.; J. & D. Macnair & Co.; Sutton, Carden & Co., Ltd.; Waters & Co., Ltd. *Methylated Spirit* (term contract): J. Burrough, Ltd. *Surgical Materials*: Arnold & Sons; A. Barton & Sons, Ltd.; Burgoyne, Burbidges & Co., Ltd.; Carnegie Bros.; F. H. Critchley; J. Critchley & Sons; A. E. Evans; W. G. Füller; J. L. Hatrick & Co., Ltd.; Imperial Patent Wadding Co., Ltd.; H. Knuck & Co.; H. Lewis; J. F. Macfarlan & Co.; S. Maw, Son & Sons; G. Nutter & Sons; T. J. Smith & Nephew, Ltd.; Southall Bros. & Barclay, Ltd.; Swift & Goodinson; Tough Bros.; Vernon & Co., Ltd.

Leeds.

A monthly minimum price-list is being issued locally to chemists.

The local Association has decided that its members shall not sell glycerin except on a prescription of a qualified medical practitioner.

The business of the late Harry Hobbs at Hyde Park Corner has been transferred to Mr. E. H. Bedford, chemist and druggist, Brundenell Grove.

Last Sunday one of the military hospitals ran short of methylated spirit, and a messenger was sent out to the local chemists in a vain effort to obtain it. It is unfortunate that the law will not allow it to be supplied on Sunday in cases of urgent necessity.

Liverpool.

"Ovaltine" forms a current window-display both in the city and the suburbs.

The city fire-brigade received a call to Hanover Street on Monday, but not to a wholesale drug-house as stated when the alarm was given. The fire occurred in a basement used for bonded stores, and proved to be but trifling.

Pharmacists who make a side-line of Christmas and New Year cards will be interested to learn that the demand this season is unprecedented. Many thousands are being stocked for sending to the Forces at home and abroad. The magnitude of the consignments has attracted popular notice.

On reading the *C. & D.* note last week touching the alternative of afternoon meetings to obviate the discomfort of the darkened streets, Mr. William P. Evans (President of the Liverpool C.A.) placed the subject on the Association's agenda. His wish is to meet the convenience of the members.

Opinion is sharply divided on the financial results of the earlier closing-hour. Many pharmacists hail the relief long desired, and speak of a concentration of business attained with general advantage. Others whose late evening or after-entertainment trade has been considerable report a loss of window and counter goods which seems to be irreparable, but even these are willing to give the new conditions a fair trial before pronouncing finally. All agree that the former hours were excessive.

Sheffield.

The new system of transmitting telegraphic messages by telephone has been put into operation in Sheffield, telephone subscribers having received an intimation to that effect.

The military requirements in regard to the age of exempted men are being notified to assistants employed by company chemists. Married qualified men up to thirty and single qualified men up to thirty-five have been notified that they must join the Colours if classed for general service. The age-limit for unqualified men is forty-one.

Miscellaneous.

M.B. CANTAB.—Cambridge University has agreed to admit women to its First and Second M.B. examinations. This is the first break in the University's wall against women.

THE BROCKWELL PARK V.A.D. doings have been caught on Pathé Gazette films, so that London pharmacists have the distinction of showing the whole country what they can do.

MEDICINAL PLANTS.—The Agricultural Education Sub-Committee of the Southampton County Council reports that it would not pay to cultivate medicinal plants, some of which are only required in small quantities, and in the case of others there is the difficulty of drying the plants.

ANALYSTS' REPORTS.—All the drugs analysed in the county of Southampton were reported to be genuine.—The St. Pancras analyst is of opinion that much of the baking-powder sold in the borough is deficient in the production of carbon dioxide. He suggests that the Local Government Board should fix a standard.

FORGED BILLS.—At the Central Criminal Court, London, last week, Henry Samuel Freeman (43), described as a chemist but not a chemist and druggist, pleaded guilty to forging a bill of exchange for 104*l.*, and sentence was postponed. It was stated that the prisoner had been in the dispensing department of the London Hospital for seventeen or eighteen years.

DISPENSERS SCARCE.—Approval has been given by the Local Government Board to the arrangements made by the Whitechapel Guardians for the covering of the work of the dispenser, Mr. Lewis, who is away on war service. Several of the doctors have attended in turns to do the work, and payments have been made to them ranging from 25*l.* to 90*l.* It has been found impossible to obtain a practical dispenser for the post.

ENEMY PATENTS AND TRADE-MARKS.—The North British Rubber Co., Ltd., Edinburgh, is applying for the avoidance or suspension of the grant of licences for the following patents belonging to the Farbenfabriken yormals Friederich Bayer & Co. regarding the vulcanisation of caoutchouc: 11530/13, 11615/13, 12777/13, and 12661/14.—Lysol, Ltd., Strafford, E., is applying for the avoidance or suspension of trade-mark 313,005 ("Pebecol") belonging to P. Beiersdorf & Co. The hearing is on November 29.

WATER FOR MEDICINE.—At the Tredegar County Court last week, the Abertillery Water Board sued Dr. R. T. Cassal, Abertillery, for two guineas in respect to water used for dispensing medicines in his surgery. He estimated that he used 50 gallons a year. The defence was that the water was used for domestic purposes. Judge Hill Kelly held that the water was used for the purpose of making medicine, to which water was added, reducing it to sufficient strength. He gave judgment for defendant, with costs.

POISONINGS.—The following fatal cases of poisoning have been reported during the past week: At Belfast, Charlotte Louisa Kirk committed suicide with oxalic acid while insane.—A patient in the Rathdrum, co. Wicklow, Union Infirmary, named Lawless, was given a dose of liquor cresol saponatus by a nurse in mistake for compound senna mixture, and died soon afterwards.—A woman named Hawkins, addicted to the chlorodyne-habit, was found dead at Barnstaple as the result of an overdose of chlorodyne. Mr. W. J. Shepperd, dispensing chemist, from whom deceased purchased a bottle of chlorodyne, found out that she was also buying it from other chemists in the town, and he got them all to agree not to sell her any more of the drug. She tried to obtain it from the manufacturers in London, but was by them referred to local chemists. After her death fifty-five empty chlorodyne-bottles were found in her trunk. The jury returned a verdict of death from misadventure.—A Walsoken woman, named Doberson, committed suicide with strychnine which had been purchased twenty years ago for the purpose of destroying moles.

Irish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

Mr. P. J. Fielding, Ph.C., has been elected a member of the Committee of the Cork Chamber of Commerce.

It was reported at the last meeting of the Athy Guardians that the cost of medicines has increased by 150*l.* for the year.

Mr. R. L. Chambers, Ph.C., has acquired the pharmacy business carried on at Market Square, Lisburn, by Mr. C. V. Bolton, Ph.C.

It was reported at the meeting of the Ballymahon Guardians that no ointment-boxes are obtainable, as they have not been manufactured since the war commenced. The Guardians informed the medical officers that they are unable to suggest a substitute, but instructed them to do their best to give ointment to the poor where necessary.

Mr. Huston Lancashire, Ph.C., performed the ceremony at the opening of the Ballymena Waterworks Extension on November 15, and subsequently entertained the members of the Urban Council and other guests to lunch. The gold key used had on it the crest and arms of "Ballymenagh of the Seven Towers," and the following inscription: "Presented to Huston Lancashire, Esq., J.P., Chairman of the Ballymena Urban Council, on the occasion of the

opening of the Ballymena Waterworks Extensions, 1916, by the contractors, James Ross & Sons, Belfast."

An action was tried at Dublin on November 21, before Mr. Justice Pim and a special jury, in which the plaintiff was Mr. Edwin Arthur Russell, 30 York Road, Rathmines, Dublin, an assistant with Boileau & Boyd, Ltd., wholesale chemists, Dublin, and in receipt of a salary of 160*l.* per annum. He brought the action to recover damages for personal injuries sustained through the negligence of Mr. James Butler in the driving of a pony and trap at Rathfarnham, co. Dublin, last November. The plaintiff was riding a motor-bicycle, and he alleged that the defendant was driving the pony and trap on the wrong side of the road, with the result that plaintiff was struck by the trap above the right knee, and sustained such injuries as necessitated the amputation of his leg. The defendant denied the accuracy of the plaintiff's description of the occurrence. The jury found for the plaintiff, and assessed damages at 1,000*l.*

Scottish News.

Subscribers are invited to send to the Editor newspapers containing matters of trade interest. The items should be indicated.

Brevities.

A Dundee chemist, who trespassed on the railway at Invergowrie in the course of a Sunday walk, has been fined two guineas at Perth Sheriff Court.

"Feek" or "Feech," a Scots word meaning dirty, is commonly applied to methylated spirit, and the sale of it in Aberdeen is being discussed in the local newspapers.

On Tuesday, November 21, a runaway horse and lorry dashed into a chemist's window in High Street, Laurencekirk. Both driver and horse had a marvellous escape, the horse being led from the shop by the door. Much damage was done to the shop and stock.

Edinburgh.

An honest chemist the other day made a big reduction in the former price for a mixture containing sod. salicyl. and sod. brom. The customer called upon two friendly rivals to ascertain their respective charges.

Edinburgh is to celebrate St. Andrew's Day by a demonstration to commemorate the heroism of the Scottish troops. One of the speakers will be Lieutenant-Colonel H. Arthur Rose, Royal Scots (Craig & Rose, Ltd.).

Panel doctors say that, in offering orders for eggs, butter, fish, etc., for insured persons undergoing domiciliary treatment, they occasionally encounter tradesmen who absolutely refuse to trouble themselves with the matter.

Chemists experience great difficulty in obtaining even small quantities of sugar to make syrups and cough-mixtures, and wholesalers say that they also are very short. Many pharmacists have ceased making syr. simplex, for instance, wholesale houses being apparently in a position to supply their customers with a Winchester or two.

Sir James Leishman, Chairman of the Scottish Insurance Commission, speaking at a meeting of the Edinburgh Chamber of Commerce on Tuesday afternoon, supported the proposal (which has been laid before the University authorities) to establish a University Degree in Commerce. What we want, he said, is a system that will combine theory and practice.

Glasgow and the West.

Mr. John Bain, Ph.C., Bridge of Allan, and Treasurer of the Stirling Combination Hospital, has been re-elected Chairman of the Committee of Management.

The National Health Insurance Commissioners (Scotland) have promoted Mr. J. E. Highton, district inspector, Western District, to the post of deputy chief inspector held by the late Dr. S. H. Turner.

An unfortunate accident has befallen Mrs. Murchie, wife of Mr. John Murchie, dispensing chamist, 12 Bridgeton Cross, Glasgow. Late in the afternoon of November 14 she and Mr. Murchie left a Corporation tramcar in Sauchiehall Street, and were proceeding to cross the thoroughfare when Mrs. Murchie was knocked down by a spring-van. Her injuries were not serious, and she was attended to in Frazer & Green's pharmacy at 505 Sauchiehall Street, after which she was taken home in a cab.

German Dyes for America.—The "New York Commercial" of November 9 reports that the British Government has given permission for $1,000,000 of German dyes to be shipped to the United States *via* Rotterdam. This had an unsettling influence on the price of a number of dye-materials.

French News.

(From the "C. & D." Paris Correspondent.)

A Senator Chemist.—M. Alfred Naquet, the ex-Senator, whose death was recently announced, is best known in connection with the Divorce Law passed in 1882, which caused so much discussion at that now distant epoch. Many may be unaware that he commenced life as a scientist, was the author of some remarkable works on chemical, biological, and medical subjects, and was Professor of Organic Chemistry at the University of Montpellier when he first entered the political arena.

Stupefying Drugs.—The crusade against "stupefying" drugs has taken a new lease of life since the recent stringent law was passed. A lady dancer, who had handed a packet of morphine to a milliner, a friend of hers, was recently fined 40*l.*, and sentenced to eight months' imprisonment, while the friend in question had to pay an 80*l.* fine, and was condemned to six months' imprisonment—nominally only, as she profits by the First Offenders Act.

A Chemical Contract.—The Paris Police Court No. 1 has given judgment in the case of Colonel Rudeanu (representing the Rumanian Government) *v.* M. Rozetti Roznovano, the ex-M.P. of the Rumanian Parliament, who failed to execute his contract for 50 tons of picric acid at 25f. 50c. per kilo (8*s.* per lb.). The colonel was authorised to withdraw the sum he deposited as guarantee, while M. Roznovano has to pay the penalty provided by the contract in case of non-delivery of goods contracted for. (See *C. & D.*, November 18, p. 37.)

Helping Brother Pharmacists.—The subscription started by the General Association of French Pharmacists in favour of their *confrères* of the invaded and occupied provinces has so far been moderate, the amount collected at the date of the Association's last general meeting being under 5,000*l.* Some Departments have come forward generously. Had all subscribed like the Loiret, said the report, "we should now have a million francs for our *confrères* of the invaded regions." The services of Mr. H. C. Chown, the Anglo-Parisian pharmacist, in collecting donations from the British Isles and the United States, were specially alluded to in the same document.

Chemists in the French Army.—M. Houllevigue contributes an article to "Le Temps" relating to the encouragement of foreign students in Paris. In a post-scriptum he reminds the Union of Students' Associations of the deplorable position held by chemists (not pharmacists) in the Army. Many of them are men of high value, who are rendering incomparable services in the war, and are still classed as second-class soldiers. A project of resolution has been submitted to the Chamber by MM. Henry Paté, J. H. Breton, and Albert Thiéry, in order to put an end to this, but the war may finish before the resolution is adopted, and the chemists will always remain the poor relations in the military family.

Early Closing.—The general rule enforcing the closing of shops at 6 P.M., which came into force last week, does not affect pharmacists, who rank among the trades specially exempted. But it was noticed that in Paris many shops which sell articles of the same class endeavoured to prolong their hours of business as far as possible. This, of course, implied the use of candles for lighting, the new measure being designed to economise the consumption of gas and electricity, and consequently of coal—the "black diamonds" of war-time. As the early closing of shops, combined with the reduced lighting of streets, renders evening promenading essentially unattractive, it is probable that such efforts will hardly be continued, owing to the lack of passers-by, and consequently of customers.

Dental Congress.—An interesting Inter-Allies Dentistry Congress has just been held at Paris, with the special object of discussing war dentistry and prothesis, and under the patronage of the French Ministry of War and the Ministry of Marine. Jaw-fracture, the restoration of injured lower parts of the face, and kindred subjects occupied the attention of the congressists, who met at the Dental School of Paris, 45 rue de la Tour d'Auvergne. It is worth recalling that there is a special department for dental surgery and prothesis at the excellently equipped American hospital at Neuilly-sur-Seine, near Paris. Here the chief dental surgeons, Dr. William S. Davenport, Dr. George Hayes, and their colleagues, have obtained many remarkable results, dating from the commencement of the war in August 1914.

Enemy Products.—When the question of capturing enemy trade in pharmaceuticals was discussed by the General Association of French Pharmacists, M. L. Martin remarked

that some French doctors still continue the practice of writing the names of Bayer, Merck, and other German firms when prescribing products formerly imported. He proposed that all pharmacists receiving such prescriptions should send them to the office of the Association, that they should there be dealt with in a manner calculated to abolish the practice. This proposal was approved by the assembly. M. Mouliets proposed, and the meeting voted, that the Association, "considering that the base of all action against French trade in German products should be the disavowal of pharmacists who use their diplomas to cover the operations of enemy firms, invites the local Associations to expel members who come under this category."

Aniline Dye Company.—There is being formed in Paris the Compagnie Nationale de Matières Colorantes et de Produits Chimique, with a capital of forty million francs, for the purpose of manufacturing in France aniline dyes and allied products hitherto obtained from Germany. A quarter of the capital is being raised by the group of founders, who are connected with the coal-tar industry or are large users of dyes, the rest of the capital is being offered for subscription by the public. An agreement has been concluded with the Minister of War by which certain new works erected for the manufacture of explosives will be transferred to the company on the termination of the war, and for which interest will be paid to the State after the shareholders have received an annual interest of 5 per cent. The approval of the Minister of War is also required to the appointment of managing director and to any proposed alterations in the articles of association. With the prospectus a circular is sent, setting out the reasons for the formation of the company, the principal one being to render France independent of Germany in future for the supply of synthetic dyes and chemicals. The subscription-list opened on November 21, and before that date the shares had been quoted as high as 40 per cent. premium.

South African News.

(From "C. & D." Correspondents.)

"The Chemist and Druggist" is supplied weekly to members of all the Chemists' Societies in South Africa.

Bubonic Plague.—An outbreak of bubonic plague has occurred on a farm in the Uitenhage district. Prompt measures have been taken to deal with it, but already two deaths are reported.

Sanatogen.—The Cape Town branch of the Sanatogen Co. has been closed, and the office furniture has been sold by auction. The stocks of sanatogen, albulactin, formamint, and cystopurin are to be sold by tender.

Antimony Deposits.—A new body of antimony has been opened up near the eastern bank of the Komati River, in the district of the Steynsdorp Goldfields, Transvaal. A furnace capable of smelting 10 tons of ore has been erected.

During the seven months ended July 31, 1916, the imports of drugs, chemicals, and apothecaries' wares into the Union amounted in value to 661,471*l.*, against 596,584*l.* for the corresponding period of 1915. Medicinal preparations were valued at 76,242*l.*, against 66,422*l.* in 1915, and apothecaries' wares at 81,953*l.*, against 86,888*l.* in 1915.

Business in the Drug-trade (writes our Cape Town correspondent) is on the quiet side, but prices are still on the upward trend. Chip-boxes are unobtainable, and what pill-boxes are to be had are of local manufacture and very crude. It is very difficult to import goods from England, and frequently from six to twelve months has elapsed between the placing of the order and receipt of the goods. As many of the cases are opened by the authorities in England before being shipped, much pilfering has taken place *en route*.

Amalgamation.—Heynes, Mathew, Ltd., Cape Town, and C. E. Gardner & Co., Ltd., Port Elizabeth, have amalgamated their businesses. The respective trade-names will be retained, and the companies will be conducted practically as heretofore. Mr. C. E. Gardner and Mr. P. T. Dixon, although retaining their financial interest in the business of C. E. Gardner & Co., Ltd., are retiring from active management. Mr. P. T. Dixon will still continue to operate under his own name. Heynes, Mathew, Ltd., of Cape town, have acquired important financial interests in this business. Two of the directors, Mr. Frank C. Mathew and Mr. H. J. Kinlay, are taking over the active management.

Cape Province Pharmaceutical Society.

A General Meeting of the Cape Pharmaceutical Society was held in the Society's rooms, Darling Street, Cape Town, on October 19. Mr. James Sloan (President) was Chairman, and there was a very fair attendance. A vote of condolence with the relatives of the late J. A. Mathew was passed, the President referring in suitable terms to the long connection which Mr. Mathew had had with the craft in South Africa and his interest in the Society. A telegram from the sister Society in Natal, expressing sincere condolence, was also read. Mr. A. Hunter then read an interesting paper on certain "Phases of Insurance for the Benefit and Protection of Chemists," for which he was accorded a hearty vote of thanks. Advocate Stuart also addressed the meeting on the "Advantages of Building Societies." His remarks were followed with keen interest, as he dealt with the subject from a pharmacist's point of view. The Committee appointed to consider whether a Formulary might be adopted for the Cape then brought up its recommendations, which were read by Mr. Dell. Mr. Edmeades (Hon. Treasurer) sounded a note of warning as to the expense, but the meeting as a whole was distinctly in favour of the report, with certain reservations. Accordingly Mr. Petersen moved, and it was carried unanimously, that the Committee proceed with the business of compiling a tentative Formulary, but that it be not published before being discussed at a general meeting. Mr. G. F. Jones's paper on "A New Oil Material: South African Meroola-nuts" was postponed to the next general meeting.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1916, p. 365.

(From the "Trade-marks Journal," November 15, 1916.)

"Bandolier," with picture of same; for goods (47) and for perfumery, etc. (48). By Tyson & Co., Ltd., 6 Blackstock Street, Liverpool. 374,467/2. (Associated.)

"Vinebud"; for perfumed soap (48). By The Torula Syndicate, Ltd., 40 Brazennose Street, Manchester. 371,765. (Associated.)

"Colleen," with picture of same; for all goods (48). By McClintons, Ltd., Donaghmore. 374,383. (Associated.)

"Puella"; for non-medicated face-powder (48). By H. C. Roberts, 1 Wembley Hill Road, London, N.W. 374,229.

"Arthol"; for all goods (48). By Synthetic Manufacturing Laboratories (48), 383 Prescot Road, Liverpool. 375,121.

(From the "Trade-marks Journal," November 22, 1916.)

"Paraquit"; for medicinal chemicals (3). By Lawson & Co. (Bristol), Ltd., St. Philips, Bristol. 374,177.

Device of cross on square with monogram B.D.C.; for medicinal chemicals (3). By The Barrett Drug Co., 715-719 Fulham Road, London, S.W. 374,644.

"Isocaine"; for medicinal chemicals (3). By L. R. Scammell, 54 King William Street, Adelaide, South Australia. 374,969.

"Calosphate"; for all goods (3). By The Muller Laboratories, Ltd., 144 Albany Street, N.W. 375,062.

"Pehave"; for medicinal chemicals (3) and for perfumery (48). By Koninklijke Pharmaceutische Handelsvereeniging, Looiersgracht 27-35, Amsterdam. 375,290/1.

Device of circle and Y-shaped figure; for all goods (8) and (47). By Jno. Birch & Co., Ltd., 2 London Wall Buildings, E.C. 375,395/403.

"Cerebos"; for food substances (42). By Cerebos, Ltd., Greatham, Co. Durham. 375,328. (Associated.)

Device including barrel bearing word "Beero" and man holding glass ("Beero" disclaimed); for a beverage (43). By Walker & Homfrays, Ltd., 76 Deansgate, Manchester. 373,871.

"Vera"; for all goods (47). By J. Hargreaves & Son, Ltd., Liverpool. 373,656. (Associated.)

"Golden Morning"; for perfumery, etc. (48). By The Standard Tablet & Pill Co., Ltd., Hove. 374,554.

"Carmo"; for perfumery, etc. (48). By Omega, Ltd., King Henry's Walk, London, N. 375,070. (Associated.)

"Eudora"; for perfumery, etc. (48). By Selfridge & Co., Ltd., 400 Oxford Street, W. 375,174.

"Cremalba"; for perfumery, etc. (48). By Stevenson & Howell, Ltd., 95a Southwark Street S.E. 375,318.

"Optimex"; for all goods (48). By H. W. Levy, 53-57 Church Street, Liverpool. 375,333.

"Diadem"; for polishes (50). By Raimes & Co., Ltd., Stockton-on-Tees. 373,568.

"Thermonite"; for retorts, etc. (50). By Bale & Hardy, 39 Victoria Street, S.W. 374,078.

"Invincible," The North British Rubber Co., Ltd.; for hair-combs (50). By The North British Rubber Co., Ltd., Edinburgh. 374,104. (Associated.)

Legal Reports.

Infants' Cordial.—At Chesterfield on November 20, Sarah Hannah Ruggins and Arthur Hewitt Smith, both of Brampton, were charged with selling opium without labelling the bottle "Poison," and placing thereon the name and address of the seller. According to the evidence the poison sold was an infants' cordial containing 6 per cent. of laudanum. Defendants pleaded that they did not know the responsibility they incurred, and said that they would not sell any more of the stuff. The cases were withdrawn upon payment of costs.

A Dental Practitioner. Robert H. Paterson, 34 Glasgow Road, Clydebank, Glasgow, is being sued in the Court of Session, Edinburgh, by Martha McCormick, in the same district, for 1,600*l.*, representing damages alleged to have been incurred by the pursuer while having a tooth extracted by defender on April 19, 1914. The pursuer alleges that defender broke a hypodermic syringe while injecting a local anæsthetic into her gum, and she had suffered in consequence, while a year later she had to undergo two operations at the Western Infirmary. The case came before Lord Cullen last week. The defender admits that he is not a registered dentist, denies the pursuer's statement, and explains that his 1s. fee included the local anæsthetic. His Lordship ordered issues in the action.

Borax and Quillaia for Norway.—The case of the Lord Advocate *v.* Carl Hagdarth Pedersen, 50 Wellington Street, Glasgow, is now before Lord Cullen in the Court of Session, Edinburgh. The pursuer claims payment of 600*l.*, being 100*l.* on each of six counts in which he alleges the defender shipped goods (including 267 casks of borax and 1,500 bags of quillaia) to Christiania without having received a declaration as to the ultimate destination of the goods exported. The Lord Advocate says that the defender is liable to pay treble the value of the goods, which would be 7,341*l.*, but the Commissioners of Customs and Excise have elected instead to sue for the sum mentioned. The defender says the export of borax was made in entire *bona fides*, and his net profit on the whole of the transactions was only about 400*l.*

An Apothecaries' Society's Examination.—In the City of London Court, before Judge Rentoul, K.C., on November 21, a claim was made by Mr. Joseph M. Gleeson, an unqualified medical assistant, 158 Sewardstone Road, Victoria Park, to recover six guineas against the Society of Apothecaries, Apothecaries' Hall, Water Lane, Blackfriars, as money paid without consideration, or alternatively as damages for breach of contract. Plaintiff appeared in person, while Mr. Ellis Hill appeared for the defendants, and Mr. George Jones held a watching brief for Dr. Wright, Dean of the London Hospital Medical College. The plaintiff said his case was that he paid the defendants a fee of six guineas for the purpose of being examined, and that he now asked for the return of the money because Dr. Haydon, the Secretary of the defendants, had altered the figures of the examiners so that instead of him passing he had been returned as unsuccessful. Defendant added that at present he is a dispenser to a doctor. Judge Rentoul thought the plaintiff must be labouring under a delusion. Mr. Ellis Hill said that Dr. Haydon had nothing to do with the figures of the examiners, and the plaintiff's allegations were absolutely void of any truth at all. The Society of Apothecaries challenged every investigation. There had been no mistake on the part of anyone in connection with the Society. Dr. Haydon had nothing to do with the examinations except taking the fees and announcing the results. Dr. Wright, Dean of the London Hospital Medical College, one of the examiners, was called by the plaintiff, but he said he did not remember a conversation with the plaintiff suggesting that he should be examined elsewhere, nor did he say Dr. Haydon would never let the plaintiff pass at the Society of Apothecaries. Dr. Frank Haydon also gave evidence, and stated that plaintiff's *viva-voce* examination was only just sufficiently good to entitle him to a subsequent examination, and then he received 73 marks instead of a minimum of 100 marks. The result was he failed. Dr. Hugh Furzefield, Chairman of the Board of Examiners, also gave evidence. Judge Rentoul, in giving judgment for the defendants, with costs, said that no examination could have been more fairly and more impartially conducted than the examinations that were the basis of this action.

To Depose Rats from their haunts if fowls are about use lead acetate and some farinaceous meal. Place in trays under inverted boxes, with holes sufficiently large for the rodents only to enter.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

Boots Art Publishers, Ltd. (P.C.).—Capital 100*l.* The subscribers are Jesse Boot and Thos. S. Ratcliffe. Secretary, A. L. Milne. R.O., Trent Street, Nottingham.

Ferguson, Son & Co., Ltd. (P.C.).—Capital 3,000*l.* Objects: To carry on the business of manufacturers of and dealers in brushes, etc. The first directors are J. Ferguson and A. Ferguson. R.O., 23 Douglas Street, Glasgow.

C. G. Chemicals Syndicate, Ltd. (P.C.).—Capital, 3,000*l.* Objects: To carry on the business of manufacturers of any chemical products, cold glue, etc. The subscribers are C. W. Inglis and W. G. Brain. Solicitors, Cohn & Co., 52 New Broad Street, E.C.

Graham Davis & Partners, Ltd. (P.C.).—Capital 2,000*l.* Objects: To carry on the business of importers, exporters, and manufacturers of and dealers in all kinds of chemicals, merchandise, etc. The subscribers are R. D. Graham and F. Gale. R.O., 28-29 St. Swithin's Lane, E.C.

High Explosives, Ltd. (P.C.).—Capital 20,000., in 1*l.* shares. Objects: To carry on the business of general chemical manufacturers, etc. The first directors are L. Blythe, W. A. J. Bussey, and E. Dodd. Secretary, W. H. Bedingfield. R.O., 42 Spring Gardens, Manchester.

Association of Science, Ltd.—Registered on November 17 as a company limited by guarantee. The management is vested in a council, the first members of which are Dr. H. Woods, G. W. Lloyd, and E. J. Schwartz, M.A., D.Sc., F.L.S. Solicitor: W. T. B. Woods, 22 Chancery Lane, W.C.

Fylde Drug Stores, Ltd. (P.C.).—Capital 1,000*l.* Objects: To acquire 165 Church Street, Blackpool, to carry on the business of chemists, druggists, dealers in fancy leather goods, etc., and to adopt an agreement with A. Walker. The subscribers are A. Walker, chemist's assistant, and A. E. Kent, chemist, Blackpool. Secretary, N. L. Vine. R.O., 59 Pearl Chambers, East Parade, Leeds.

Wulfing Sanatogen Co., Ltd. (P.C.).—Capital 100*l.* Objects: To establish, carry on, extend, and develop the business of manufacturing, and dealing in fine chemicals, glues, and casein products of all kinds. The signatories are G. Rowson and E. Goodman, who will appoint the first directors. Solicitors: Pakeman, Son & Read, 11 Ironmonger Lane, E.C. [The company declares that it is not acquiring an undertaking whose books or documents are liable to inspection under the Trading with the Enemy Act, 1914, Section 2.]

Cymric Drug Co., Ltd.—Mr. C. E. Dovey, 31 Queen Street, Cardiff, ceased to act as receiver or manager on November 15.

Savage & Co., Ltd.—The annual report of this Bradford company shows that, after paying a dividend of 5 per cent. (free of tax) on the preference shares, the directors recommend a dividend of 10 per cent. on ordinary shares (free of tax), and the balance of 689*l.* to be carried forward.

Joint-stock Companies.—Notice is given in the "London Gazette," November 17, that the names of the undermentioned companies have been struck off the register and the companies dissolved: Carlsbad Electro-Thermal Baths, Ltd.; International Remedies, Ltd.; Rotos Safety Strop and Razor Co., Ltd.; Selphosa Salt Co., Ltd.; Tonca Cattle Food and Condiment Co., Ltd.; and Williams' Borough Pharmacy, Ltd.

Edward Cook & Co., Ltd.—At the annual general meeting held on November 17, Mr. Thomas Alex. Cook, chairman of the directors, moving the adoption of the annual report, referred to the accounts as satisfactory. The high-water mark of profits had been touched, and these were not "war profits." The British manufacturer, like all Britons, has risen to the occasion, he has worked early and late, night, day, and Sundays, and has so organised his plant and system that the work has gone forward, deliveries have been made, trade kept together, obstacles which seemed insurmountable overcome, and a state almost better than normality maintains, in spite of unprecedented reduction in staff, many of the most efficient and qualified workers in every industry having taken up arms. After referring to the part taken by women in the work, he mentioned that 170 of their men had joined in the Great Adventure; twelve have fallen by the way and yielded up the greatest sacrifice for King and country. Among those was Lieutenant Fletcher, manager of one of the departments.

Births.

Allan.—At 105 Brighton Place, Aberdeen, on November 15, the wife of Edwin Allan, chemist and druggist, of a son.

Rankin.—At 2 Woodland Avenue, Belfast, on November 16, the wife of W. J. Rankin, jun., Ph.C., of a daughter.

Spowart.—At 55 Dundrennan Road, Langside, Glasgow, on November 11, the wife of J. P. Spowart, dispensing chemist, of a son.

Whelan.—At the Medical Hall, 3 Terenure Road, Rathgar, co. Dublin, on November 4, the wife of P. F. Whelan, Ph.C., of a son.

Marriages.

Carrick—Beggs.—By special licence, on November 2, Joseph M. Carrick, Ph.C., R.A.M.C., to Violet Ivy, second eldest daughter of Mr. George D. Beggs, J.P., Ph.C., Dalkey.

Spanjer—Josephs.—At the Synagogue, Poet's Road, Canonbury, N., on November 14, Sidney Spanjer, to Ruth Esmé, youngest daughter of the late Philip Josephs, 93 Old Street, E.C.

Stallman—Galavan.—At St. Anne's Church, Upper Kennington Lane, London, S.E., on November 4, J. F. H. Stallman, M.B., B.S., lieutenant R.A.M.C., eldest son of Mr. J. H. Z. Stallman, of 29 Mincing Lane, E.C., to Mary, second daughter of Mrs. M. H. Galavan, Tramore, co. Waterford.

Deaths.

Bates.—At Smethwick, Birmingham, Mr. Albert Frank Bates, chemist and druggist, aged thirty-seven. Deceased qualified in 1907, and had been in the laboratory of Blackwell, Hayes & Co., Ltd., manufacturing chemists, Moor Street, Birmingham, for the past eighteen years. He had been ill for only a short time, and succumbed to an attack of hæmorrhage of the lungs.

Dallas.—At Nairn, on November 18, Ex-Provost William Dallas, chemist and druggist, aged sixty. For many years Mr. Dallas sat in the Nairn Town Council, and for about nine years was Provost of the burgh. He passed the Minor examination in 1881, and carried on business at 33 High Street, Nairn. Miss Eva Dallas (his daughter) also qualified in January 1914, and is in the business.

Jones.—At Hope Street, Pontardulais, Glam., on November 10, Mr. Thomas Albert Jones, chemist and druggist, aged thirty-five.

Keene.—At 29 Pepys Road, Wimbledon, London, S.W., on November 7, Mr. John Keene, Ph.C., of 68 Fulham Road, S.W., aged seventy-eight.

Sharp.—At Norwood House, Heaton, Newcastle-on-Tyne, on November 13, Ex-Bailie John Charles Sharp, chemist and druggist, late of Musselburgh, N.B., aged seventy. Mr. Sharp retired from business over twenty years ago, and at the time of his death was a director in the Musselburgh Gas Co., and chairman of directors of Bleasdale, Ltd., York. He leaves a widow, one son (Mr. C. A. Sharp, chemist and druggist, Darlington), and five daughters, the eldest being the wife of Mr. R. T. Forbes, chemist and druggist, Stockport.

Slater.—Suddenly, at St. Albans, on November 14, Ethel Mary, wife of Mr. E. H. Slater, chemist and druggist, Epping, aged forty-one.

Smith.—At 4 Sedgley Road, Bournemouth, on November 20, Mr. Frederick Warren Smith, chemist and druggist, formerly of Yeovil and Market Drayton, aged seventy-two.

Died on Service.

Bryant.—Private Percy Bryant, of the Gloucester Regiment, has fallen in action. He was apprenticed to Boots, Ltd., Bath, and joined the Colours in September 1914.

Fishburn.—Lance-Corporal Albert Fishburn was killed in action on October 25. He was attached to the West Yorkshire Regiment, and prior to his enlistment was in the service of Taylors' Drug Co., Ltd.

Roddick.—Killed in action, Corporal Thomas Roddick, Cameron Highlanders, who was with Boots, Ltd., Leith Street, Edinburgh, before going south to Windsor, from which place he joined the Army.

Seaston.—Killed in action, Lance-Corporal Alfred Seaston, of the King's Own Yorkshire Light Infantry, who was for four years with Mr. W. F. Croft, chemist and druggist, Tibshelf, Derbyshire.

Personalities.

Authenticated notes are inserted without charge if not in the nature of advertisement, and subject to Editorial approval.

Mr. W. B. Robinson, of Robinson & Sons, Ltd., has been reappointed Deputy-Mayor of Chesterfield.

Alderman A. Sidney Campkin, J.P., has been elected Chairman of the Plans Committee of Cambridge.

Alderman G. Woodhouse, chemist and druggist, Ludlow, has been appointed a Charity Trustee by the Town Council.

Alderman L. Mainprize, J.P., chemist and druggist, Bridlington, has been elected a member of the Borough Education Committee.

The late Hubert Bartlett, J.P., chemist and dentist, Banbury, left estate of the gross value of 12,177*l.* 10*s.* 2*d.*, of which 9,225*l.* 8*s.* 6*d.* is net personalty.

The late Henry Brunner, a director of Brunner, Mond & Co., Ltd., who died on June 17, left estate valued at 43,870*l.* gross, with net personalty 43,344*l.*

Mr. H. Pye, dispensing chemist, Bridge Street, Spalding, when attempting to close a window over his shop lost his balance and fell into the street. The injuries he sustained include a dislocated hip.

Miss H. de Pennington, B.Sc., assistant lecturer in chemistry at Blackburn Technical School, is to be research assistant to Professor J. B. Cohen at Leeds University, which position was formerly held by Dr. Kenyon, now with British Dyes, Ltd.

Mr. H. F. Cook, dispensing chemist, New Chesterton, Cambridge, is to give an entertainment to the inmates of the workhouse. Mr. Cook has been Chairman of the Sunday Service Committee for thirteen years, and has attended fifty out of fifty-two services each year.

The Right Hon. Sir Albert Spicer, Bart., having decided not to seek re-election for Central Hackney at the termination of this Parliament, Mr. W. J. Uglow Woolcock has been unanimously adopted as prospective Liberal candidate in place of Mr. Chas. R. Buxton, who has withdrawn.

Mr. E. A. Pinchin, B.Sc., F.I.C., has been appointed additional public analyst to the Islington Borough Council without remuneration. He is chief assistant to Dr. F. L. Teed, who has been public analyst for some years. The appointment is made so that Mr. Pinchin can act in the absence of Dr. Teed.

W. Bro. Harry J. Dalgleish, P.M. 39 Exeter, and the London representative of Ford, Shapland & Co., chemists' printers, was one of the candidates nominated by the General Committee of the Grand Lodge of Freemasons to serve on the Board of Benevolence. Bro. Dalgleish has already served seven years without missing a single attendance.

Mr. Percy D. Goodwin, chemist and druggist, who is an assistant with John Bell & Croydon, Ltd., chemists, 50 Wigmore Street, London, W., has been awarded the honorary parchment of the Royal Humane Society for saving the life of Leonard Thompson, who fell in the sea at Hartlepool last August and was in danger of drowning. The presentation of the parchment was made this week by Mr. J. D. Marshall, managing director of John Bell & Croydon, Ltd.

Things Worth Knowing.

By "Hugo."

Crystalline substances, such as mag. sulph. and sod. sulph., should never be kept in paper, or they will lose weight and become unsaleable.

Compound powders, such as pulv. rhei co. and pulv. glycyrrhizæ co., may be quickly made by placing all the ingredients in an empty castor-oil or similar tin, then shaking well and passing through a fine sieve.

Do not refuse payment for small services of first-aid, removing dress stains, and such like. Remember you waste material and time which you have paid for, and you are out to build a successful business, not to run a charitable institution.

A simple method of making glycer. acid. tannic. is to place the glycerin in a wide vessel such as a soup-plate, sprinkle the tannic acid on the surface, cover with paper,

set aside overnight, and in the morning solution will be complete. Skim any particles of insoluble matter off the top, and you will have glyc. ac. tan., B.P. The process may be adopted in the preparation of glycer. boracis, B.P., and glycer. acid. carbolic., a touch with a stirring-rod in the morning being all that is necessary to ensure complete diffusion. The cold method is excellent for making syrupus, B.P. Calculate the difference between the weight of sugar used and the finished product. This gives the quantity of water required. [Example: Sugar 5 lb., weight of finished product 7½ lb.; lb. 7½ – lb. 5 = 2½ lb. or 2 pints of water.] Put the cold water in a pottle bottle and add the sugar (granulated is best). Shake up occasionally and let stand overnight. In the morning another shake will complete solution; then strain through flannel or lint. The result is a clear thick syrup.

Pharmaceutical Society of Ireland.

Council-meeting.

The Council met at 67 Lower Mount Street, Dublin, on November 14, Mr. James Michie (Vice-President) in the chair. The following were also present: Dr. A. J. Barnes, Dr. James A. Walsh, Dr. M. R. Whitla, Messrs. Thos. Batt, Richard Blair, D. M. Watson, W. F. Wells, and P. N. White. The Chairman explained that the President was unable to attend the meeting.

Examinations.

An Order in Council approving of the appointment of Mr. James Guiler as a temporary examiner in the place of Dr. J. W. Harvey was submitted by the Secretary, who also mentioned a letter from the Under-Secretary, Dublin Castle, transmitting a copy of the report by Sir John W. Moore on the 1916 examinations, which was referred to the Law Committee for consideration.

The Principal of the Municipal Technical School, Drogheda, applied for recognition of the lectures on theoretical chemistry given in the school, and on the motion of Mr. Watson, seconded by Dr. Barnes, this was agreed to.

The case of the Society *v.* Shannon (*C. & D.*, November 11, p. 40) was reported.

Changes of Address.

Communications were received announcing changes of address as follows:

Mr. Wm. P. W. Allen, Ph.C., to Lowe's Medical Hall, Lismore, co. Waterford.

Mr. T. Batt, Ph.C., and Mr. G. H. Batt, Ph.C., to 98 Sandymount Road, Dublin.

Mr. T. H. Brabazon, Ph.C., to the Station Hospital, Ferozopore, Punjab, India.

Mr. C. J. Farren, Ph.C., to 1 Causeway Road, Bushmills, co. Antrim.

Mr. H. M. Kelly, Ph.C., to Santa Barbara, Rushbrook, Queenstown, co. Cork.

Mr. Thos. J. May, Ph.C., to Maryville, Lower Woodburn, Carrickfergus.

Mr. R. G. McKinstry, Ph.C., to 2 Rossmore Terrace, Ballynafeigh, Belfast.

Mr. J. A. McQuillan, Ph.C., to The Crescent, Dundalk.

Mr. T. J. McSweeney, Ph.C., to Barry's Pharmacy, Bridge Street, Boyle.

Mr. W. D. O'Regan, Ph.C., to 148 Richmond Road, Drumcondra, Dublin.

Mr. H. G. Varker, Ph.C., to c/o Burroughs Wellcome & Co., Kent Street, Sydney, New South Wales.

Miscellaneous.

Miss M. D. Oliphant, Messrs. H. A. Johnston, R. Mason, and R. J. O'Neill, who submitted certificates of other bodies, were admitted to Preliminary registration.

The death of Mr. Thomas Kennedy Scott, R.D., Monaghan, was reported.

Mr. John Vaughan, Ph.C., 67 Barrack Street, Nenagh, and Mr. Robert Mellon, Ph.C., 62 Dame Street, Dublin, were elected members of the Society, and Mr. David Henderson, Ph.C., Lisburn Road, Belfast, was nominated for membership.

Mr. W. Johnston, B.A., was re-elected Examiner for the Preliminary examination; Dr. J. W. Harvey, M.P.S.I., lieutenant R.A.M.C., was re-elected Examiner for the materia medica and botany division of the Pharmaceutical Licence examination; Mr. H. J. Sumner, M.P.S.I., was re-elected Examiner for the Pharmaceutical Assistant examination; and Mr. George Brown, M.P.S.I., was re-elected Examiner for the Registered Druggist examination.

Reports upon the Preliminary, Registered Druggist, Pharmaceutical Licence, and Pharmaceutical Assistant examinations were submitted. It appeared that of fourteen candidates for the Preliminary examination six passed; of three candidates for the Registered Druggist examination all passed; fifteen candidates entered for the Pharmaceutical Licence examination, five passed; and two candidates were examined and passed the Pharmaceutical Assistant examination.

Reports of Committees having been received and adopted, five Pharmaceutical Licences were sealed.

Chemical Society.

An Ordinary Meeting was held at Burlington House, London, W., on Thursday, November 16, at 8 p.m. Dr. Alex. Scott, F.R.S. (the President), regretted to announce the deaths of Professor John Ferguson, of Glasgow, Mr. David Howard, and Mr. John Paton. The work of Professor Ferguson had been mainly bibliographical, he said. Mr. Howard's activities as a manufacturing chemist were well known. He had served on the Council of the Society for a period of ten years, had been Vice-President for six years, and had taken an active interest also in the Institute of Chemistry.

The first paper of the evening was read by Dr. H. A. Ewins on *A Simple Method of Estimating Arsenic in Organic Compounds.* Dr. Ewins gave an historical *résumé* of the methods that had been employed in such determinations, beginning at the year 1880, when combustion with soda-lime and oxygen was used, the residue being then dissolved and the arsenic precipitated as sulphide. Fusion with sodium peroxide had been largely employed, with either precipitation or titration, after addition of potassium iodide, as the final step. The author pointed out that the chief difficulty up till now had been to find a method which would be generally applicable to all arsenical organic compounds. The procedure in the case of salvarsan, for instance, was to oxidise in acid solution with permanganate, and then with concentrated sulphuric acid and hydrogen peroxide to form As_2O_5. This was treated with potassium iodide, the reaction according to the following equation taking place:

$$As_2O_5 + 4\,HI = As_2O_3 + H_2O + 4I_2.$$

The free iodine is titrated with standard thiosulphate. The method now proposed by Dr. Ewins contained no essentially new principle, being but an adaptation of the well-known Kjeldahl moist-combustion process for the determination of nitrogen. About 0.1 gram of the substance was treated with potassium sulphate and sulphuric acid, with addition of about 0.2 gram of starch, the whole being heated in the usual way, until a clear, almost colourless solution was obtained. This was introduced into an Erlenmeyer flask, alkalised with 50-per-cent. potash, cooled, re-acidified, and then excess of sodium bicarbonate added. The resulting solution was then titrated with N/20 iodine solution. The method had been found to give excellent results, and appeared to be applicable to all organic compounds containing arsenic, even the most volatile. In the discussion Professor Morgan, after complimenting Dr. Ewins on his excellent work, said that he himself had found that arsenic compounds containing chlorine had caused great trouble with the older methods, and asked if Dr. Ewins had tried his method on such substances. Dr. Ewins, in reply, said that he had experimented upon the compound $Cl_2AsC_2H_4CN$, and had got results for arsenic agreeing remarkably well with the calculated.

Professor W. N. Rae contributed a paper on *The Hydrolysis of Iron Ammonium Alum*, demonstrating the effects of such substances as sulphuric acid, hydrochloric, acid, ammonium sulphate, and cane-sugar upon the hydrolysis. He assigned to the precipitate which settles out on boiling or long standing of a solution of iron ammonium alum the formula $2Fe_2O_3,SO_3$. The effects upon the absorption-spectra of such solutions by the addition of the above substances had been observed, with the result that whereas sulphuric acid displaced the bands towards the violet, the others displaced them towards the red. The changes on hydrolysis were measured by means of the colour-changes taking place in the solutions, an arbitrary colour-standard being fixed with which all the others were compared. In water the colour was 39, while with decinormal sulphuric acid it was decreased to 5, and with decinormal ammonium sulphate it was raised to 44. The effect of cane-sugar and of hydrochloric acid was about the same in each case, the colour being reduced to 13. A short discussion followed, in which the President, Professor Morgan, and Dr. George Senter took part. Mr. J. Reilly then read a paper entitled "The Resolution of Asymmetric Quinquivalent Nitrogen Compounds. Part I. (Salts of *d*- and *l*-benzylphenylallylmethyl ammonium hydroxide with *d*- and *l*-bromocamphor *p*-sulphonic acid)."

Society of Chemical Industry.

A Meeting of the London Section was held at Burlington House, Piccadilly, W., on November 20, Mr. A. R. Ling in the chair. At the commencement the Chairman referred to the death of two Past-Presidents of the Society, Sir William Ramsay and Mr. Davis Howard. Asked by the Chairman to say a few words, Mr. Thomas Tyrer recalled his first meeting with Mr. Howard in 1860 as a student at the old Royal College of Chemistry in Oxford Street, when Mr. Howard said to him; "I welcome you, and I hope we shall always be friends." After further reminiscences of his student-days, Mr. Tyrer said that character is the foundation of life and business, and that Mr. Howard's probity, honour, and truth never failed. He added that the traditions of the house of Howard are being perpetuated in his two sons, who have been inspired by the character of their father.

Dr. C. C. Carpenter (President of the Society) then gave an address on "Chemistry and Engineering." He said the charter of the Institute of Civil Engineers defines the profession of engineering as "the art of directing the great forces of Nature to the service of man," and similarly a chemist may be defined as "one who wrests hidden secrets from Nature for the benefit of mankind." The basis of engineering is the triangle, and the double triangle is the foundation of all structures in metal. The imaginative faculty needs to be highly developed in the engineer, as he must be able to see in his mind's eye the finished structure before it is begun. An interesting account was then given of the steps involved in the erection of the Forth Bridge, lantern-slides being exhibited to illustrate the steps in the construction. The speaker then asked his audience to imagine the problems involved in the structure of a ship having a fuel-consumption of a thousand tons of coal a day. The position of the engineer in the Navy was formerly looked upon with contempt, but that has been altered entirely by the new educational system introduced by Lord Fisher, under which boys join as cadets at the age of thirteen to 13½ years. Up to seventeen years of age all receive the same education, which includes engineering, and then a sorting-out takes place, when the cadets are separated, according to their capacities, into engineers and navigating officers. The system has been a complete success. Some such method, he suggested, needs applying in the case of chemistry, which is looked upon in high quarters with the contempt formerly bestowed on engineering. It had been impossible, for example, to get permission to show lantern-slides of the German chemical-works in this country which have become national property owing to the war. He had hoped to do this to show the progress made by Germans in chemical industry. It is necessary, he said, for the engineer to take a larger part in the running as well as in the designing of plant. We must not start, however, with the theory that everyone can be trained as an engineer or a chemist. Mental capacities must be studied. The engineer and the chemist should take each other into confidence. The engineer should be taught enough of chemistry to enable him to appreciate the chemist's point of view, and the chemist enough engineering to know that the engineer can be left to advise on engineering problems. There should be two staffs, one of chemists and the other of engineers, with a chemist or an engineer at the head of each, who would consult in overcoming difficulties; they should, in fact, be the physician and surgeon of the chemical-industry.

A good discussion then took place. Mr. Tyrer urged the need of co-operation between chemist and engineer, and took the opportunity of remarking that fine-chemical manufacturers are not "tin-pot sort of men." They have all the problems of the chemists who manufacture on a large scale, and in addition have to exercise much greater care in regard to details. Professor G. T. Morgan said more synthetic chemists are needed. It is the chemist working on the basis of the molecular theory that starts the industries in which the engineer is required. He attributed the going backward of the French chemists to the fact that they did not accept Kekulé's teaching, and were, in consequence, working in chaos. Other speakers urged that physics and finance are involved in the successful carrying-on of chemical-works. Mr. J. W. Hinckley said chemical engineers need special training; the ordinary mechanical engineer is quite unable to grasp what the chemist requires. Professor A. Smithells said it is impossible for a student to spare the time required for training him both as a chemist and an engineer, and moreover the mental capacities needed for the two professions are different. The element of experience is the most valuable, and that cannot be taught at the University. Mr. J. J. Eastick objected to the divided responsibility involved in the President's suggestion. He said that the training received at the old School of Mines was excellent for fitting chemical engineers to face the many problems which would confront them later. Dr. H. E. Armstrong said reforms are needed in primary education. Half a boy's time at school should be occupied by manual work. The types needed for an engineer and a chemist are different; the engineer is a constructive animal, and the chemist analytical. After several other members had spoken, the Chairman summed up the discussion and Dr. Carpenter briefly replied.

A meeting of the Edinburgh and East of Scotland Section was held on November 14. Professor Jas. Walker in the chair. Dr. C. H. Desch, of the Metallurgical Department of the Glasgow University, read a paper on "Crystallisation of Metals and Alloys."

Before a meeting of the Newcastle-on-Tyne Section on November 15, Sir Charles Bedford, Secretary of the Association of British Chemical Manufacturers, delivered an address on "The Organisation of British Chemical Manufacturers." The future under modern industrial conditions lies with the big chemical-works or with the organisation of smaller businesses. He advocated the formation first of all of a Political Committee to organise a public propaganda regarding the necessity for Government assistance and concessions. A Fiscal Committee would also have to consider questions of Patent Law modifications, and to deal with the thorny question of tariffs. The Association would have to affiliate or combine with other manufacturers' organisations to secure further political action—with, for instance, the Associations of engineers, iron and steel, textiles, electrical, shipping industries, etc. Parliamentary action would have to be co-ordinated in order to give effect to these aims. The Committee would have to keep a watchful eye on commercial treaties, and questions relating to commercial intelligence require very close attention.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative.

The Cocaine Inquiry.

Questioned in the House of Commons on Wednesday, November 22, as to the absence of any representative of Ireland on the Departmental Committee on the use of cocaine by dentists, Mr. Herbert Samuel replied that the Committee is a small one, consisting of only five members. As the question is a general one, which does not appear to affect the different parts of the United Kingdom differently, it was not thought necessary to provide for the specific representation thereon of Ireland, Scotland, or Wales. No doubt the Committee would consider any application to hear evidence from Ireland.

Ellesmere Port Laboratories.

The chemical-works at Ellesmere Port, which were built by several German chemical firms when Mr. Lloyd George's amendments to the Patents Law came into force, again came before the House of Commons on Thursday, November 16, when Sir Frederick Cawley, Bart., M.P. for Prestwich Division of Lancashire, asked the President of the Board of Trade several questions in regard to the purchase of the place by Levinstein, Ltd., and the statement by the chairman of British Dyes, Ltd., that they were not allowed to tender. Mr. J. M. Henderson also joined in the interrogation, but Mr. Runciman did not add to his previous replies on the subject (*C. & D.*, November 4, p. 44) except to say that discussions as to the future organisation of the British dye-industry have for some time been proceeding with the more important British dye-making concerns and organisations of dye-consumers. Any proposals for further assistance to the industry out of public funds will necessarily be submitted to this House.

Opium and Morphine.

The President of the Board of Trade gave Mr. Theodore C. Taylor, M.P. for Radcliffe, some interesting information last week regarding our exports of British-made morphine during 1913, 1914, and 1915. The total exports in 1913 were 406,154 oz., in 1914 they amounted to 504,020 oz., and in 1915 to 295,572 oz. In 1913 about a fifth of the exports went to Germany, and in 1914 about a sixth. The figures for last year (none to Germany) were: France, 35,303 oz.; Japan, 204,742 oz.; other foreign countries, 41,067 oz. (Russia, Sweden, Norway, Denmark, Spain, Italy, and Corea); Hong-Kong, 83 oz.; and other British Possessions, 14,377 oz. (including Australia 6,083 oz. and Canada

7,972 oz.). In 1914 the 504,020 oz. exported was valued at 208,717*l.*, and the 295,572 oz. exported in 1915 came to 200,734*l.*, or getting on to double the price. Lord Robert Cecil, M.P., has informed Mr. Taylor that it is reported that morphia is smuggled into Manchuria and China from Japan, also that there is nothing to add to what he said on May 18, 1915, as to the Opium Convention of 1912. No further notification has been received from the Netherlands Government of any Power having signed the protocol drawn up by the Conference in 1914.

Trade Notes.

Carbolic Acid and various allied products, as well as Glauber salts, the manufactures of R. Gaesser, Ltd., Ruabon, are specified in their announcement this week.

Dudley & Co., 451 and 558 Holloway Road, London, N., have printed in colours a sheet showing the styles of window-advertising material that they supply for Christmas trade.

Quinine Palatinoids and Pulvereites at the cost of sulphate of quinine are what Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., offer this week as a bargain.

French Otto.—The agents for Gattefosse et fils' French otto of rose are Forwood Bros. & Donaldson, Ltd., Ropemaker Street, Finsbury, London, E.C. Pure carmine is another of the company's specialities.

Bronchial Lozenges, packed in decorated tins to retail at 6*d.* and 1*s.* per tin, are offered by Thomas Guest & Co., Carrutheis Street, Ancoats, Manchester. This is a new line among their Winter Specialities.

The Solid Brilliantine, manufactured by Essona Perfumery Co., Wimbledon, is an article which chemists can handle with profit and sell with confidence. The company offer special terms in their advertisement this week.

Wickered Bottles.—Rivers, Hill & Co., Ltd., Broadstone, Dorset, who have since the war largely developed the industry of wickering bottles, figure a wickered eau de Cologne bottle in their advertisement in this issue. The prices are stated to be cheaper than any other firm in the country.

Dubarry's Exclusive Perfumes and Toilet-goods are offered this week by Dubarry et Cie., 81 Brompton Road, London, S.W. These are perfumes, tooth-pastes in collapsible tubes, and Crème Shalimar, a hand-preparation which is sold in tubes and jars. It will be noted that the trade discount is 20 per cent. off the retail prices.

"Llesna" Brand Preparations are manufactured by F. H. Plews & Co., Sharratt Street Works, Canterbury Road, London, S.E. The founder of the business is a well-known city pharmacist, whose preparations have a vogue due to their quality and adaptation to current needs. Messrs. Plews also manufacture "own name" specialities.

Tozer, Kemsley & Fisher, Ltd., 84 Fenchurch Street, London, E.C., announce that the style of the company has been changed to Tozer, Kemsley & Millbourn, Ltd. Mr. Millbourn first joined the firm of Walter Kemsley & Co. in 1889. He has been a director of the company for many years, and has always taken a most active part in the management.

Osram-Atmos Lamps.—The General Electric Co., Ltd., 67 Queen Victoria Street, London, E.C., advertise in this issue their half-watt lamps known as the Osram-Atmos type. The feature of these lamps is that they are filled with an inert gas, and they are much more efficient than ordinary tungsten lamps, with no increase in the quantity of electricity required.

Ayrton's Tea-tablets, which we have on several occasions mentioned, now retail at 7½*d.* per tin, each containing fifty tablets, so that the boxful means fifty cups of tea. Ayrton, Saunders & Co., Ltd., Liverpool, think that it would pay retail chemists to become familiar with the tablets by using them, and so put themselves into the position of recommending them to their customers.

Herm. Madoery, chemical-manufacturer, Basle, Switzerland, advertises a number of products, including diethylbarbituric acid, quinine salts, silver salts, tannin, and other goods manufactured in the works depicted in his advertisement. These and other Madoery manufactures can be supplied to English buyers, who are advised to write to him for Price-list No. 9, which covers pharmaceutical requirements.

Stock Honey.—At all times retail chemists can handle honey with advantage to themselves and to their customers. At the present time the public ought to know more about honey, and Leonard Hall & Co., 6 Rood Lane, Eastcheap, E.C., point out to chemists the advantages of handling it. The firm pack honey in an excellent manner for retail sale, and retailers should drop them a postcard inquiry in regard to how they put it up for sale.

Evans Sons Lescher & Webb, Ltd., Liverpool and London, handle such varied products that they are conspicuously seasonal. This week they offer Christmas products, notably Margerison toilet-soaps, English Rose, Eau de Cologne, and English Violet being specially saleable at Christmas-time, and they cost the retailer 9*s.* 6*d.* per dozen boxes. Another very attractive line is the Hyacinth toilet-soap, which costs 6*s.* 6*d.* per dozen boxes.

McKesson & Robbins, 91 Fulton Street, New York, have been conspicuous since the European war commenced in supplying us with all that we need of chemical and medicinal products. They now solicit inquiries for American balsams, botanicals, chemicals, and oils, and as foreign distributors for the New York Quinine and Chemical Works, Ltd., offer acetanilide, codeine, iodoform, morphine, quinine, and strychnine manufactured by them.

Calendar for 1917.—Howards & Sons, Ltd., Ilford and Stratford, and Hopkin & Williams, Ltd., 16 Cross Street, Hatton Garden, London, E.C., have issued a wall-calendar for 1917, which measures approximately 10 by 14 in., and is printed in green and gold. The upper part is devoted to a bird's-eye view of the Ilford establishments, where the buildings cover eleven acres of the thirty-three acres of space. The calendar portion is in the form of monthly tear-offs.

Marshall's Lysol Shaving-stick.—Lysol, Ltd., Crayford Mills, Warton Road, Stratford, E., have added a trial size of their Lysol shaving-stick to the series. This soap gives an excellent creamy lather which does not dry on the skin during shaving, and softens the part that the shaver wants to remove. Lysol, Ltd., offer this sixpenny line to chemists at 4*s.* per dozen, and they give a bonus of one dozen sticks with each three-dozen order. Owing to the difficulty of getting tin boxes the soap is put up in neat cardboard cases.

Rosettol.—This is one of Umney's choice synthetics. Its value has been well appreciated by perfume-compounders and pharmacists, whose continued use of it in preference to natural otto of rose is one of the best pieces of evidence as to its utility and value. Wright, Layman & Umney, Ltd., Southwark Street, London, S.E., inform us that owing to the advance in the raw materials it has been necessary to increase the price of Rosettol to 17*s.* 6*d.* per oz., but even this is very much lower than the price of otto of rose, which is no greater in perfume power.

"Quala" Rubber-milk Sponge.—The new sponges offered by Rubber Sponges, Ltd., 15 Angel Court, London, E.C., are more like natural Turkey sponges in colour and texture than any other form of rubber sponges that we have seen. We understand that the company import the rubber latex, which is chemically treated before exportation, and from it manufacture the "Quala" in their own factory at Brentford. Each sponge is oblong in shape, and has an absorptive power approximating to Turkish sponge. The 2*s.* 6*d.* size is as large as a Turkey toilet-sponge that would cost at least 5*s.*, and is specially suited for toilet-purposes, while the 5*s.* size is nearer the size of a nursery bath-sponge. The profit to the retailer is 33⅓ per cent. of the retail price, and the sponges may be obtained from S. Maw, Son & Sons and R. Hovenden & Sons, Ltd. Mr. F. E. Quelch-Woolls, the sales manager for Rubber Sponges, Ltd., comes of a well-known pharmaceutical family in Margate, and he speaks with enthusiasm of the success of the new sponge.

Sanatogen and Formamint.—The all-British ownership of these and other Wulfing lines is made manifest by an advertisement in this issue, inserted by the British Purchasers of the Sanatogen Co., 12 Chenies Street, London, W.C. The kernel of this advertisement is the statement made in it as follows:

"Do not be dismayed by the fact that the old names and trade-marks are voided, so that any shoddy substitute can now call itself Sanatogen or Formamint. The public knows the old 'Wulfing' labels, and by the time the present stocks are exhausted we shall have renamed the preparations, and advertised them so widely and persistently that no one will have the slightest doubt as to which are the genuine original products."

It will be observed that the expert who did the German firm's advertising is to do the advertising for the British Purchasers, but where the Germans spent 30,000*l.* the British Purchasers are to spend 60,000*l.*, and, so far as retailers are concerned, it will be observed that those who send a 5*l.* order for the goods are to get a special advertising discount of 10 per cent.

Observations and Reflections.

By Xrayser II.

The Sensational "Evidence"

of the anonymous chemist who told the unofficial Faculty of Insurance that 60 per cent. of the N.H.I prescriptions he had dispensed were "humbug prescriptions," if it is allowed to have any evidential value at all, must be largely discounted. No pharmacist can say, or has a right to say, that the prescriptions brought to him are humbugs, and anybody who does say it is condemned out of his own mouth as a prejudiced, reckless, and therefore unreliable witness.

Mr. Bacot's Experiments

on insecticides and their value as preventives and cures for the plague of lice at the Front do not appear from your paragraph to have resulted in much success. In fact, Mr. Bacot confirms what a good few of my soldier friends have told me—that the cure for lice has not yet been discovered. One of the best applications is, I am told, a tincture of larkspur, made by diluting a strong liquid extract with a fairly strong spirit. This is a powerful poison to the insects, and when the men are willing to take the necessary trouble with it the results are quite good. Larkspur is the homely name for *Delphinium consolida*, whose use is referred to in "Pharmaceutical Formulas," a formula being given on p. 108 for an American preparation of it which "causes consternation in the ranks of the pediculus."

The Manchester Discussion

of the prospects of pharmacy, though full of interest, was not particularly illuminating, and there was a good deal of difference of opinion expressed as to what our prospects are. The idea that in itself examination ensures protection is a fallacy written large all over our past history. We are much better educated now than we were in 1868, but the very ground of these discussions is that our position and prospects have grown worse. Many of us, it is true, practise less "pure pharmacy" than we used to do, but that is not because we do more general trade, but partly because we buy what we used to make, and partly because there are more dispensing doctors (excepting, of course, Insurance work) than there used to be. The stiffening of the Minor would not alter this. I am as strongly in favour of education as anybody, but am too old to be caught with such chaff as the supposition that to fit oneself for good work is the same thing as to get it, or that one cannot be at the same time a shopkeeper and a pharmacist.

Mr. Bates's Address to the Liverpool Association

narrowly escapes the condemnation of being "faultily faultless." To expatiate so freely over so wide a range of topics, to say so much that is noteworthy about each of them, and yet say nothing to which serious objection can be taken, is no small feat. It argues a balance of mind, a practical wisdom, and a sureness of tact that few men possess. For Mr. Bates is never commonplace though always commonsensible; he sees his subject steadily, and sees it whole, and if the picture he draws is an "ideal" one it is ideal in the best sense—not as being merely imaginary, but as answering to one's highest conception of what is possible. That Mr. Bates's outlook for pharmacy and the pharmacist is optimistic should encourage us, and confirm us in the endeavour to win such a share of the public confidence as will finally establish our position, I will not say as professional men, but as indispensable to the common weal. We must, however, remember the condition upon which he insists—trade combination supplementing personal integrity and pharmaceutical efficiency. We must not neglect the body in our care for the soul of pharmacy.

Trade Prospects with Russia

ought to be exceedingly good after the war for this country, though, as Mr. Beable says, the Russians have learned their lesson, and they will develop their own industries in future in preference even to doing business with their present Allies. It appears to me, however, that Mr. Beable omitted to note a factor in the trade situation which will certainly exercise a profound influence on Russian imports—namely, the reopening of the Black Sea and the transference of Constantinople from the Turks. I take it that the war cannot cease till this has been accomplished, and when that happy day arrives the export of grain will be so enormous that huge imports must be admitted to pay for it. In that event it is tolerably certain that Great Britain will be one of Russia's best customers for some years to come, with the inevitable result that Russia will be a big buyer of our manufactures. On the other hand, Germany being a near neighbour and also a consumer of wheat, there would appear to be no economic reason why she should not do a large trade with Russia. As to the conditions necessary before business can be done by English houses in Russia, Mr. Beable makes it clear that the language problem is one of the most important, and it is therefore to be hoped that the new zeal for study of the Russian language will not be allowed to die out.

Apologists for the Pharmaceutical Society

in its dealings with the Insurance Commissioners, if honest, are likely to find themselves in dialectical difficulties. Mr. Sargeant did so at Leeds the other day. His criticism of the new terms of service accepted for us by the Society was admirable, and wanted nothing of pungency. The terms are inadequate, inequitable, unbusinesslike, the premises on which they are based are unsound and inadmissible, and the principle of the establishment-charge is necessarily unsatisfactory—here is a string of assertions (every one of them true) which even I could not have bettered, and yet Mr. Sargeant is convinced that in future negotiations the pharmacists of Leeds, "at least," will "support the Pharmaceutical Society to a man." Why? And why the men of Leeds particularly? I know something of Yorkshiremen, and I have not found them so ready to trust those who have let them down once. I confess I do not understand Mr. Sargeant's remarks on the Scottish *v.* the English rate of remuneration. He says that we are in most cases better off than we should be under the Scottish Tariff. You quoted the other week an obviously inspired statement of the "Glasgow Herald" to the effect that the Scottish terms are 20 per cent. better than ours, and I suspect this is a good deal nearer the truth than Mr. Sargeant's statement. His assertion that we are "infinitely" better off than we should have been under the old Tariff with an almost certain discount of 15 per cent. is equally open to question. I may say that I had written the foregoing before your own crushing reply to Mr. Sargeant caught my attention.

Information Department.

INFORMATION WANTED.

135/1. "Gladys" syringe.
135/1. Elliott's ear-plugs.
137/59. "Flexete" bust-improver.
137/59. "Jacobean" bust-improver.
139/1. "Perfect" hot-water bottle.
139/2. Lobin's ether.
140/10. Hornby's No. 9 pills.
140/20. "Murati" face-powder.
140/3. "Top Hole" pocket comforts for the troops.
139/29. Bone soother-mounts: actual makers.
139/24. "Atlas" compound.

INFORMATION SUPPLIED.

Besorbon snuff, 101/62
Binn's steel combs, 107/20
Cellasin tablets, 117/14
Chemists' overalls, 238/29
"Drummer" dyes, 100/42
Foster's kidney-pills, 122/28
Gutta-percha tissue, 113/57
Harrison's nursery pomade, 101/41
"Lilac Russe" perfume, 104/1
"Milk Weed" toilet-preparations, 64/29
"Mirror" nailstones, 74/29
"Nupines," 118/10
"Offord" truss, 118/10
Santal-Midy capsules, 106/45 and 119/43
Stationery, 107/51
Sulpholine lotion, 119/430
Tablet-machinery, 88/53

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"Sanitas Fluid" No. 2 (Crude).
Non-poisonous, disinfectant and deodorant.
"Sanitas-Bactox."
Homogeneous Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas-Okol."
Emulsified Phenoloid Disinfectant; 18/20 co-efficient.
"Sanitas Sypol" (Improved Lysol).
"Sanitas Sulphur Candles."
"Sanitas Formic Sulphugators."
"Sanitas Formitas Outfits."
"Sanitas Formigators."
"Sanitas Drain Testers."
"Sanitas Polishes."
"Sanitas Distemper," for walls.
Peroxide of Hydrogen (Kingzett's Preserved.)

Kingzett's Patents

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Editorial Articles.

Formamint.

We have in previous issues pointed out that "Formamint" tablets, as made and sold by Wulfing & Co., are a medicine prepared according to letters patent, and that they have been sold as a stamped medicine. The President of the Board of Trade, having avoided the trade-mark registration of the word "Formamint," it was assumed that compressed tablets might be made and sold unstamped by registered chemists as Formamint, notwithstanding that the proprietary article of that name was a dutiable and patented medicine. In view of the provisions of the Medicine Stamp Acts, we asked the Board of Customs and Excise if it is possible to sell any article as "Formamint" without stamping it according to the price charged by the retailer. To this we received on Thursday, November 23, a secretarial reply (No. R. 68245/1916), containing the following statement:

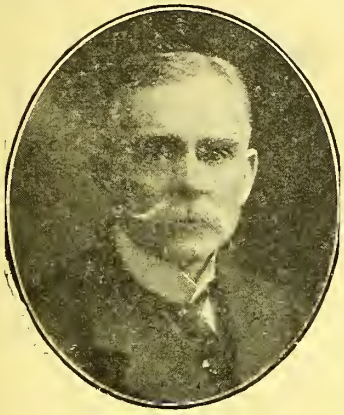
"I am directed by the Board of Customs and Excise to inform you that all medicines 'which have at any time heretofore been, now are, or shall hereafter be prepared, uttered, vended, or exposed to sale under the authority of any letters patent under the Great Seal,' are within the general charge to medicine stamp-duty in the first Schedule to the Act 52 Geo. III., c. 150, and that the patent rights, whether or not they may be still in force, prevent such medicines from being sold unstamped under the exemption contained in that Act in favour of 'known, approved, and admitted remedies.'"

It is thus perfectly clear that a medicine prepared according to the patent, which we may conveniently refer to as the Formamint Patent, and described in the *C. & D.*, October 28, p. 47, cannot be a known, admitted, and approved remedy, and cannot be sold unstamped. Other statutory conditions are touched when pastilles not made according to the patent referred to are sold as Formamint. The President of the Board of Trade having avoided the trade-mark rights, the description "Formamint" does not necessarily imply a claim to proprietary rights; but if the original "Formamint" composition or formula is not adhered to, it is not improbable that "Formamint" may not be a true description of the medicine, so that the sale may be contrary to Merchandise Marks Act conditions. Other legal disabilities are probable, even under the Medicine Stamp Acts, and one may inherit these by using the word "Formamint" as a description of the medicine sold. They may continue to make and sell similar tablets on the old conditions, beyond which are the risks of impeachment by the Revenue authorities and others interested.

Charles Umney.

At Fern Brake, Branksome Wood Road, Bournemouth, on November 23, Mr. Charles Umney, Ph.C., F.C.S., F.I.C., in his seventy-fourth year.

The death of Mr. Umney was not unexpected. For some years he had been suffering from an inward complaint that troubled him even when he was active in business, and a few weeks ago an operation was performed which relieved him a little; but those who looked on realised that the end was coming, and at half-past two on Thursday morning his painful struggle ended. It is only with the death of such a man as Charles Umney that the living can realise the loss that their calling suffers. Charles Umney was a name in pharmacy, and his work had influenced its followers, when many of us had not yet entered it. The article on "Weights and Measures" in our issue of November 4 fixes the fact that Charles Umney was thinking of British pharmacy even when the shadow of death was cast upon him. The article was based on a letter that we had received from him, in which he suggested that after the war the metric system would have to be more thought of in trade. It is just fifty-four years since Mr. Umney came to London in order to enter the School of Pharmacy as a Bell Scholar. This was at the beginning of the 1862 session. Michael Carteighe began in the School at the same time, and friendly rivals they were, Carteighe taking the medals in theoretical chemistry and pharmacy, and Umney doing the same in botany and materia medica, also earning the Practical Chemistry Medal, which two of his sons in later years also took. Charles Umney became a pharmaceutical chemist in June 1862, and shortly afterwards was appointed laboratory manager to Herrings & Co., where T. H. W. Idris and W. P. Parry were associated with him. After that he became a partner in the Southwark business founded by William Valentine Wright, and thereupon called Wright, Layman & Umney. He was the administrative head of this until the business became a limited company, with his son, Mr. John Charles Umney, as managing director, Charles Umney retiring but remaining in touch as chairman of the board of directors. His pharmaceutical career was complete in several sections. His educational accomplishments were followed up by investigations from which many papers resulted, the first in 1863. We reprinted recently his paper on Syr. Ferri Phos., communicated to the British Pharmaceutical Conference in 1866 (the year after he became a Fellow of the Chemical Society), and we may truly regard his recent letter to us on the metric system as evidence of his thought for the trade that dominated his mind for more than half a century. The section of work in pharmacy done by him is both extensive and rich. He also helped pharmacy as an administrator; he was clear and clever in business matters; a good buyer, too, as his attendance at the drug-sales demonstrated, and there and on 'Change he became marked as a man of business. When Richard Bankes Barron resuscitated the Drug Club, it was Charles Umney that he sought as Secretary, and in due time Mr. Umney became President of the Club. He was also Chairman of the Chemical Section of the London Chamber of Commerce, and a measure of his ability and power was then afforded when he took Revenue representatives into his firm's laboratories in order to watch the experiments that he devised and carried out for the purpose of ascertaining the loss of spirit in making liquid galenicals. Upon these experiments was based the rebate on exportation of spirituous medicinal preparations under drawback. In other business and fiscal matters Charles Umney was a willing worker by himself and with others, and never for himself alone. As a pharmacist pure and simple we have his history in the records of the Pharmaceutical Society and the British Pharmaceutical Conference. For many years he was one of the Society's Examiners, and later an auditor. He worked for the Conference as a paper-contributor, a debater, member of the Committee, and in 1884 he became the Treasurer, holding that office until, in 1888, he was appointed President of the body, holding the office at Newcastle-on-Tyne in 1889 and at Leeds in 1890. He showed eminence in this office, but so was it with everything pharmaceutical that he touched. In his retirement he became Chairman of the Drug-trade Appeal Fund, and presided at the annual meeting held a few months ago, still keenly alive to the importance of a measure of defence for the retail drug-trade. So in other departments of pharmacy much might be said of Charles Umney's good work. He was singularly fortunate in having six sons, and two of them have been associated with him in business, John Charles Umney and Ernest Albert Umney, and they have proved that the paternal qualifications are continued in them. Other sons have obtained distinction in medicine, dentistry, and technology.



Mr. Charles Umney.

Business Names Bill.

In the House of Lords last Session, Lord Southwark introduced a Bill for the registration of business names, the object of which was practically to obtain means of ascertaining when a business is conducted by alien enemies who use English or other names that conceal their alien origin. The measure got short shrift, but since then it has been altered, and the House of Lords has now passed it in the form of a Bill of twenty-one clauses and a schedule. It is now before the House of Commons, and we think that every man of business should give most careful attention to its provisions. Substantially the principal provision is that which requires firms and persons not trading in their own names to be registered in the limited-company manner, as shown in the following extracts from Clause 1:

"(*a*) Every firm having a place of business in the United Kingdom, and carrying on business under a business name which does not consist of the true surnames of all partners who are individuals, and the corporate names of all partners who are corporations, without any addition other than the true Christian names of individual partners or initials of such Christian names;

"(*b*) Every individual having a place of business in the United Kingdom, and carrying on business under a business name which does not consist of his true surname, without any addition other than his true Christian names or the initials thereof, shall be registered."

The Bill goes on to provide the manner of registering as well as numerous other details that will have to be followed by firms and individuals carrying on business under different names from their own. It is proposed that there shall be registration offices in London, Edinburgh, and Dublin, and the provisions will certainly make it very difficult, if not impossible, for any alien trading in this country to conceal his real name and the country of his origin when he is doing business here. We question if the House of Lords has really considered the amount of new work and trouble that the Bill will create. Take, for example, Clause 11, which says:

"On receiving any statement or statutory declaration made in pursuance of this Act, the registrar shall cause the same to be filed, and he shall send by post or deliver a certificate of the registration thereof to the firm or person registering."

This is all new work to be created at a time when every department of business in the country wants men badly, and takes women in their place. Is the time appropriate for creating new departments like this? Besides, the Bill, however admirable it may be as an ideal, is making some real changes in business methods which have not been considered by business people. For example, Clause 17 provides as follows:

"Every individual and firm required by this Act to be registered shall, in all trade catalogues, trade circulars, and business letters, on or in which the business name appears, and which are issued or sent by the individual or firm to any person in the United Kingdom, have mentioned in legible characters:

"(a) In the case of an individual, his present Christian name or the initials thereof and present surname, any former Christian name or surname, his nationality if not British, and if his nationality is not his nationality of origin his nationality of origin; and

"(b) In the case of a firm, the present Christian names or the initials thereof and present surnames, any former Christian names and surnames, and the nationality if not British, and if the nationality is not the nationality of origin the nationality of origin of all the partners in the firm."

We suggest that every retailer, wholesaler, and manufacturer who reads this should think of what it means. Every one of them who is not a limited company, and he who carries on business in another name than his own, will have to do what Clause 17 says if the Bill passes. This clause was reached in Committee in the House of Commons on Wednesday evening, and encountered considerable opposition. Mr. Pretyman, who is in charge of the Bill, maintained that the clause provides for the minimum of publication. If there is to be any publication at all it could not be less than the name and nationality, he said. A division was challenged, but not insisted upon, and the Bill was reported to the House.

The Linseed-oil Outlook.

The recent sharp advance in the linseed-oil market has been one of the features among the group of fixed oils, many of which have also appreciated in value during the past month. At this period last year linseed oil was selling at about 30*l.* per ton in pipes on the spot, whereas now the 50*l.* mark has been crossed with an excited market, and all the evidence points to the fact that the tendency is likely to continue upwards. This startling advance is chiefly the result of the increasing anxiety regarding the fate of the River Plate crop, the prospects for which appear to be much worse than for several years past. Advices of partial light rains came to hand lately, but it is very doubtful, even in the event of good rains, if these could be of much use to improve the outlook while the crop is now entering upon its final stage. Estimates of yield are widely divergent as usual, some experts being extremely pessimistic, and placing the yield at only a quarter-million tons; but in any case there is good reason to believe that the most that can be expected is 350,000 tons, instead of a million tons. Fortunately there remains in Argentina a surplus of old crop, probably 200,000 tons, so that this may tend to minimise the gravity of the situation in respect to the huge deficit in the new crop. The latter, together with the old-crop surplus, would, according to market experts, make for a total exportable surplus of about 400,000 to 450,000 tons. When it is recollected, however, that the shipments from Argentina to the whole of Europe for the current year will probably be about 400,000 tons, and that the market has now to reckon with keen American competitive buying for direct shipment from the River Plate during the greater part of the coming season or until the next North American crops become available, it will be seen that a serious situation is confronting the European market. Moreover, the United States, being much more favourably situated as regards freightage facilities than Western Europe, may secure as much as a million quarters, or about 200,000 tons, of seed, which obviously means that British and Continental crushers are bound to be severely hampered in their operations later, even taking it for granted that nothing serious will happen to the next Indian linseed-crop, which does not become available until well into the spring of 1917. The course of the market for months to come will be governed by the Argentine crop, in which country shippers or holders of seed have become much more reticent in anticipation of increasing competition from American and European buyers. It is true that prices have reached new high records, but there can be no question of any important setback for some time, some people being apprehensive of much higher prices in the near future. The European crushing-industry will doubtless soon have to depend largely on Indian seed for its existence, and it is to be hoped that nothing will go seriously amiss in that direction, as it is hardly possible to imagine that the North American crops will at the best yield sufficient to cover the prospective big American consumption. Oil-consumers must expect to pay high prices with but little prospect of relief in the course of next year, an indication to that effect being already afforded by the substantial premium exacted for distant deliveries.

Annotations.

"C. & D. Diary," 1917.—Every Colonial or foreign mail which has left London this month has contained copies of *The Chemist and Druggist Diary* for 1917, our forty-ninth annual issue. As soon as all the *Diaries* for Colonial and foreign subscribers have been despatched, we shall be able to deal with the copies for subscribers at home. The conditions of production have been exceptional this year, but we are pleased to say that all difficulties have been met in spite of this being war-time.

* * *

Legislation by Order is one of the effects of the war, and we have on more than one occasion called attention to the matter. The Early-closing Order made by the Home Secretary is a recent example of this legislation, and the National Chamber of Trade in its latest circular calls attention to the objections to it. The Chamber practically says that had the House of Commons had to decide the hour of shop-closing, it would have chosen seven o'clock instead of eight. This is the view of the matter held outside London, as our weekly reports have shown. The same circular discusses the Sunday-trading question, and concludes with the following remarks:

"Two points need to be urged strongly: first, that separate legislation is needed; and, second, that London should be treated on its own merits and separate from the rest of the country. The Early-closing Association, whose work is almost wholly in the metropolis, could help to bring this reform about much more quickly by settling the problem as it there exists, because both in the last Shops Act and in the recent compulsory Order, London influence was unduly prominent, and succeeded in half wrecking the one and largely spoiling the other."

We Londoners are apt to forget this point of view. There is no question that London opinion frequently controls and decides Parliamentary and Government decisions which are applicable to the whole country, and which a great part of the country does not want. The Earlier-closing Order is the latest example of this.

* * *

Sugar for Pharmacy has been difficult to get lately. It was one of the things for which we relied too much on Germany before the war, and although we have got enough from other parts of the world since, we have been somewhat prodigal in its use. This has been reflected by "Chemicus," the managing director of "perhaps the largest firm in the Empire engaged in the manufacture of medicinal chemicals and has been occupied in that direction for over a century," who says in "The Times":

"Among many other products which are considered necessary for the health of the public at home and the armies in the field are such preparations as what is vulgarly known as 'chemical food' and a great variety of sugar-coated tablets of quinine and other drugs. And yet for a number of weeks we have been unable to obtain a pound of sugar for the manufacture of these articles."

He tells how he was startled to find hundredweights of confectionery in West-end shops, and his letter was published the same day as a Parliamentary Report in which some reduction of this use of sugar was indicated. The remarks by "Chemicus" (whose identity some of our readers may be able to pierce) were followed up by a letter from Mr. G. A. Tocher, Secretary of the Pharmaceutical Committee for the County of London, in which he said that the matter "calls for prompt and drastic

measures." He shows how pharmacists of Great Britain who have Insurance dispensing to do have for some time found it to be practically impossible to get sugar to make syrups and other galenicals ordered by the medical profession. He tells how a confectioner got sixty bags of sugar at a time when the local pharmacists were unable to get a single pound, and he concludes with this paragraph:

"The Pharmaceutical Society is said to be considering the action which is to be taken on behalf of the chemists of the country, but I realise that it is important that public opinion should also be added to any professional demands for a remedy."

We daresay some attention will be given to the pharmaceutical aspect of the sugar question. We are a dreadful people for consuming sugar, but are still far from the impoverished sugar condition of our enemies, who are makers of the stuff. This should not be forgotten.

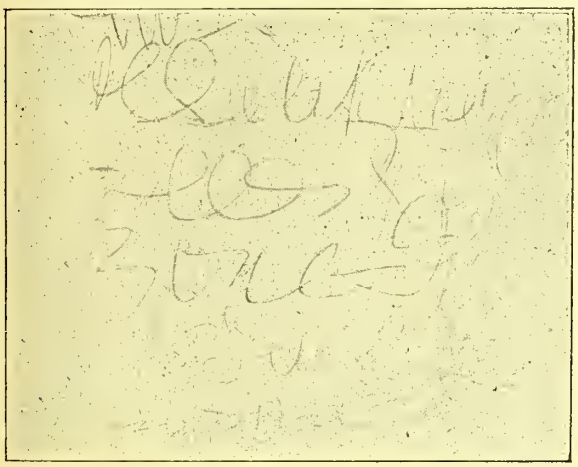
Prescription Problem.

The last exercise in prescription-reading, which appeared in the *C. & D.*, July 29, p. 815, did not bring a large number of postcards. We think this was due to the uninviting nature of the writing, yet, as the chemist who sent us the prescription remarked, the difficulties largely disappear when the peculiarity of the doctor's "s" has been mastered. The correct reading of the prescription is as follows:

Sod. bicarb. ʒij
Mag. carb. ʒiij
Tr. nuc. vom. ♏j
Syrup ʒj
Aq ℥viij
ʒss t.i.d.s

We have received two postcards which give the transcription correct in every particular. These are from Mr. A. Mortimer, dispensing chemist, 9 Leeds Road, Harrogate, and Mr. Evan H. James, dispensing chemist, Lampeter. To these successful competitors we award a copy of either "The Chemists' Dictionary of Synonyms" or "The Provincial Hospitals Pharmacopœia," whichever they prefer.

The following facsimile prescription forms the subject of the next competition. Postcard solutions should be sent not later than December 2. Prizes will be awarded at the discretion of the Editor, and in case of close competition the time of posting will be taken into account



West African Kola.—The exports from the Gold Coast during 1915 amounted to 8,267,100 lb. (139,163*l.*), against 7,862,414 lb. (142,190*l.*) in 1914.

The Imports of Drugs and chemicals into the Gold Coast during 1915 amounted in value to 28,893*l.*, against 28,602*l.* in 1914; the perfumery imports were valued at 35,753*l.*, against 44,407*l.* in 1914.

The Odol Chemical Works are to be sold by public auction on December 12 so far as relates to the plant, machinery, and stock. The advertisement is included in the Supplement this week.

Christmas Advertising.

In this article the Author follows up previous hints (C. & D., November 11, p. 42) to members of the retail drug-business as to what they might do to increase their returns next month.

II.

Now a few suggestions for increasing your business.

For the Chemist with a Good-class Family Trade.—Select about a dozen articles, ranging from a shilling to half a guinea according to the class of customers; make sure of your ability to obtain further supplies, then specialise in them, making them the bedrock of your Christmas advertising. The manufacturers will assist you by supplying blocks for illustrating purposes. Have a neatly printed double-page circular, good quality paper, the same size as your notepaper, describing each of the twelve articles, with illustrations where possible. Obtain a sufficient number of facsimile typewritten letters to send one to each of your customers; most towns have a typewriting and duplicating bureau where you can obtain them at a small cost.

No better opportunity is provided for a chemist to send a personal letter to each of his customers than Christmastime, and by this means you can point out the advantages of buying locally, where an assortment of articles can be had on approval. Here are two specimen letters, showing the "reason why" style to be adopted:

Let me help you in your choice of what to give this Christmas. I can supply what you want, promptly. This year the difficulty of selecting suitable presents will be increased by the curtailment of travelling facilities and the darkened streets and earlier closing of shops. With this in mind I have stocked my Pharmacy with a selection of inexpensive but useful articles suitable for Yuletide gifts.

You can sit in your armchair and choose your Christmas presents from the assortment I will send on approval. Just ring up "Central 444," or fill in and post the enclosed card; the goods will be sent by return.

Trusting to be of service to you,
Yours faithfully,

With the above letter a correspondence-card something like the following should be sent:

To W. JONES, Chemist, Summertown.

Please send on approval to

.....

a selection of articles costing from ..... *to* ..... *suitable as gifts for*

.....

I shall be glad to see them on .....
and will return those not kept to your messenger on .....

Signature .....

A sales letter for hot-water bottles:

Have you a hot-water bottle in the house; if not, why not? There is nothing so comforting, when getting between the sheets on a winter night, as one of my reliable hot-water bottles. It warms the feet and keeps the whole body warm through the night. Some people say they cause chilblains; that is wrong, for there is no better preventive of them than keeping warm.

Let me send you one or two sizes to look at and handle; the quality is Best, *and the price the lowest consistent with such. Each bottle carries a guarantee of money back if not satisfactory, which obviously could not be given with an inferior article. You really should have one handy. For rheumatism, sciatica, neuralgia, stomach-ache, and other pains they are invaluable. Make up your mind and accept my offer now; you might want one in the middle of the night.*

For a Working-class Business the previous suggestions are unsuitable, and a better way of attracting customers is by offering free gifts.

Divide the window into sections for articles at 6*d.*, 1*s.*,

1*s.* 6*d.*, and 2*s.*, or whatever prices you think best. Have a card worded something as follows for each section:

> **SIXPENCE**
>
> **entitles you to any article in this section, together with a FREE GIFT of a Shampoo Powder, a Perfume Sachet, or a tin of Rose Cold Cream.**

As these will all be cash customers and the articles given away bear a good profit, you can well afford to do it. See that each article given bears your name, and thus forms an advertisement.

My last suggestion is that on Christmas Eve all Christmas stock be sold off at a discount of 10 to 15 per cent. Nearly all chemists find themselves with a certain amount which has to be packed away until the next year. This not only depreciates in value, but must also be charged with interest on capital locked up, and it is much better to clear it out before the demand is over.—*H. E. Kendrick.*

Keeping Down Flies.

Mr. C. G. Moor, F.I.C., who is at present a captain in the First London Sanitary Company, read a paper before the Section on Epidemiology and State Medicine of the Royal Society of Medicine on "Army Sanitation at a Base Camp." This dealt with many of the problems which arise in controlling the sanitary conditions of camps, such as the sterilisation of drinking-water, the disposal of rubbish, and the control of flies. In connection with the last-named subject the following details are given regarding the preparation of fly-wires, a matter upon which inquiries have been addressed to us from various war areas.

All the commercial fly-papers are useful and effective, but the expense of using them in effective numbers is great, and the issue of fly-paper is never sufficient to employ freely. An effective sticky mixture can be made on the spot, which is quite as effective as anything that can be bought and very much cheaper. It can be applied to paper, string, old tent-ropes, or wires. The sticky mixture (or "fly-glue") is prepared by painting a hot mixture of two parts by weight of powdered resin to one part by weight of castor oil on to any suitable material. It requires a little practice to make the mixture, which is prepared by heating the ingredients in an old saucepan or dixie, and stirring all the time with a stick. This mixture is very stiff and tenacious when cold, but when hot it is quite fluid like ordinary oil-paint. As it is difficult to carry about papers coated with the fly-glue, it is best to apply the glue to wires. In most camps there is a quantity of wire to be found which comes on the hay-bales. This can be straightened out and cut into 2-ft. lengths. An inch at one end is bent so as to make it possible to hang the wires on nails. The mixture can be kept in tins for weeks or months, but it should not be applied to the wires or paper until they are required for use. The wires are painted with the glue, and then placed in a bucket made out of an old cresol-drum; 500 wires can be easily carried by a man. They are hung up on nails in latrines, kitchens, larders, and food-stores; in a marquee they can be hung on a string stretched between the two poles at a distance of 9 ft. above the ground. As soon as they are full of flies, or in any case not later than two days, they are replaced by fresh wires, and the old ones are placed in bundles in a low furnace and burned off. They are then ready to be glued again, and can be used all the season, and then put in a dry place for the following year. In a bell-tent they may be hung with the bent end hooked in each of the three small ventilators; in this position the sticky portion does not touch the tent, nor the poles, nor the men's heads or clothes. There is nothing in the mixture which is attractive to flies, but they like to settle on anything which is dark and narrow, and hanging down. Mr. Moor experimented by adding to the mixture honey, sugar, a fresh-fish flavour, and a stale-fish flavour; but on trying wires so prepared in rows alternated with others coated with the ordinary mixture, he found the ordinary ones caught as many flies as those coated with a flavoured mixture. One man can coat about 8,000 wires a week, and the cost of the resin and castor oil is not more than 2*s.* a thousand. An advantage of the fly-wire is that they do not flap about in a draught as fly-papers do. If it is desired to apply the fly-glue to paper, a convenient plan is to punch a hole in some hundreds of strips of paper, the strips being old newspapers cut 3 in. wide, and then to lay a strip on a board which is 6 in. longer and twice as wide as the strips, and paint the fly-glue on to the strip—the next strip is laid on top and painted, and so on, until as many are done as are wanted. Then they are all carried on the board to the places where they are to be put up, and peeled off one at a time and hung on nails.

The Minor.

How a "Corner for Students" Prize-winner passed it for £23.

At the time of entering the drug-trade I had had a good school education, and had passed the College of Preceptors', but unfortunately had never learnt Latin, and I was eighteen before I tried to pass it. I failed, and several attempts in the next few years had the same result. So I drifted on, in the course of time married, and so the years passed away. In 1913, when I was nearer thirty than twenty, the Pharmaceutical Society made Latin optional. I at once sent my certificate up, and was registered as a student.

In nearly every large city and town excellent evening classes are now held for the Minor. I joined one of these in the city wherein my work lay. The classes are divided into a four-year course as follows:

First Year.

Monday,	7.15 to 9.45 P.M.	... Chemistry
Wednesday,	,, ,,	... Physics
Friday,	,, ,,	... Botany

Second, Third, and Fourth Years.

Monday,	7.15 to 9.45 P.M.	... Volumetric Analysis
Wednesday,	,, ,,	... Chemistry
Friday,	,, ,,	... Materia Medica, Pharmacy, Dispensing

and a summer course in botany.

At the end of the third session I found that I had been taken thoroughly and carefully through the entire syllabus, having spent 227 hours at chemistry, 151 at materia medica and pharmacy, 37 at physics, and 117 at botany; in fact, botany, which was my favourite subject, had been taken up to the Major standard. I therefore determined to spend the summer in a thorough revision of all my notes. I also entered for the "Corner for Students" competition, and succeeded in winning the first prize at the first attempt. In September I sent up the fee for the Minor, and proceeded up to Edinburgh the day before the examination, having left work the previous evening. I passed the first day after a severe time in the practical chemistry, and a week later passed the oral successfully, none of the subjects giving me great anxiety. I found the examination of a high standard, but to anyone who has systematically worked through the syllabus it should not present any serious difficulties. My total expenses were as follows:

	£	s.	d.
Preliminary fee	2	2	0
School fees (First session, 15*s.*; Second and Third sessions, £6)	6	15	0
Books	0	15	0
Minor fee	10	10	0
Railway-fare	1	14	0
One week's board and lodging at Edinburgh ...	1	4	0
	£23	0	0

The above total for books may seem low, but I borrowed the well-known works of reference from the shop. I also won an exhibition of books at the school during the second session. I have been asked how the teaching at a technical school differs from that given at one of the Colleges of Pharmacy. I can only speak from one standpoint, of course, but I can emphatically say that a technical school is no use for a man who wishes to cram. Only one of the four tutors I studied under was a pharmacist, so I did not get many of the tips which I believe are given at some colleges. The two chemistry masters were both B.Sc. men, and the botany tutor was the University tutor in the day-time, so the work was gone through thoroughly. The school, being a Corporation one, was A1 as regards apparatus and chemicals, and the materia medica and dispensing course was held in the University medical school.—(100/53.)

Terpene Chemistry.

Tsakatolos and Papaconstantinou publish the results of their researches on the halogen derivatives of pinene, and also on dextrocamphene, which have been carried out in the laboratories at Athens University ("Jour. Pharm. et Chim.," 1916, 4, 97). Wallach described the hydrochlorides of pinene as being abnormal in their optical relations, lævorotatory pinene yielding a lævorotatory hydrochloride, while dextrorotatory pinene yields an inactive hydrochloride. He describes the hydrobromide as possessing the same anomaly. The present authors have worked on Greek turpentine, which contains much dextrorotatory pinene, using the fraction boiling at 155°-156°. Three different oils were used for the preparation of the pinene, the following being their characters:

	Rotation	Sp. gr. at 25°/4°	Ref. Index
Turpentine, 1915	+ 46.5°	0.8579	1.4638
Pinene, 1915	+ 47.7°	0.8548	1.4633
Turpentine, 1916A	+ 44.8°	0.8578	1.4633
Pinene, 1916A	+ 47.3°	0.8547	1.4633
Turpentine, 1916B	+ 42.9°	0.8582	1.4633
Pinene, 1916B	+ 45.10°	0.8549	1.4633

The pinene was converted into its hydrochloride in the usual manner, by the action of dry hydrochloric-acid gas on the ice-cold hydrocarbon. The resulting product was then recrystallised several times from absolute alcohol. Three specimens were made, and numerous recrystallisations from alcohol, or precipitations by water, yielded nine different preparations. The specific rotation of the hydrochloride in alcoholic solution was found to vary from +32.92° to +33.43°, with a mean value +33.19°. These results show that dextropinene from Greek turpentine yields a dextrorotatory hydrochloride, and not an inactive one as stated by Wallach. The value ascertained agrees well with that obtained by Pesci for the lævorotatory hydrochloride—namely, −30.69°. The purity of the specimens examined was demonstrated in various ways. Cryoscopic measurements gave 171 to 172 as the molecular weight (theory=172.5). The boiling-point was 207° at 750mm. pressure. The melting-point was 127°. Similar results were obtained with three specimens of the hydrobromide, the specific rotations being between +32.19° and +33.43°, or after repeated purifications all specimens gave +31.31°. The lævorotatory modification has been obtained by Pesci, with a value −27.8°. The melting-point was 80°, and the molecular-weight determination gave a value 214.4 (theory=217). Dextrocamphene has not, according to the authors, yet been prepared in a pure state. Berthelot has recorded a specimen with a rotation +22°, but as the lævorotation is more than −80° such a specimen could only have been a mixture. The dextrorotatory pinene hydrochloride above described was distilled with potassium phenate, and the distillate 145° to 170° collected, washed with caustic soda and redistilled. A fraction was obtained boiling constantly at 157.6° at 745mm. pressure, and was shown to be pure camphene. Its specific rotation was as follows: In alcohol +83.5°, in benzene +84.05°, and in acetone +83.8°.

Scientific Progress.

Temperatures under this heading are on the Centigrade scale.

Greek Mustard Oil.—Tsakatolos ("Jour. Pharm. Chim.," 1916, 3, 78) has examined six samples of mustard grown in different provinces in Greece, and finds them to yield an average of 1.17 per cent. of essential oil of mustard. He states that Greek mustard is, after English mustard, the richest in essential oil. The oil boils at 149°-150° at 763 mm. pressure, and is optically inactive. Its specific gravity is 1.019 and its refractive index 1.5370 at 11°. On analysis it was found to contain 99.4 per cent. of allyl isothiocyanate. Greek mustard oil is therefore of a high degree of purity.

Deodar Oil.—O. D. Roberts has examined in the Imperial Institute laboratories a sample of the volatile oil from the wood of *Cedrus Deodara*, Loud., which was sent from the Forest Economist, and the results are given in the "Journal of the Chemical Society" (1916, p. 791). The substances found were a ketone, $C_9H_{14}O$, probably methyl-Δ^3-*p*-tetra-hydroacetophenone, about 2 per cent.; a phenol (undetermined), from 0.07 to 0.4 per cent.; esters of hexoic, heptoic, and stearic acids, from 3 to 12 per cent.; sesquiterpenes (consisting chiefly of a *d*-sesquiterpene of variable rotation), from 50 to 70 per cent.; besides sesquiterpene alcohols, which appeared to constitute the remainder of the oil, associated with high-boiling, viscous decomposition-products.

Associations' Winter Session.

Ealing.—A meeting of the Ealing Pharmacists' Association was held on November 14 at Buol's Restaurant, the President (Mr. A. A. Senior) in the chair. The Secretary (Mr. H. Skinner) gave an account of the various business problems that had arisen during the month, and after some questions had been answered, Mr. A. R. Melhuish, Chairman of the London Pharmaceutical Committee, gave an address on some aspects of the organisation of pharmacy. He dealt with a variety of points, and, disclaiming any high-flown solution, said he preferred to keep to what in his opinion is practical. Messrs. Senior, Skinner, McKee, Weston, and Egan took part in the discussion, and a vote of thanks to Mr. Melhuish ended the proceedings. The meetings in future are to begin at 8.30.

Glasgow.—The Glasgow and West of Scotland Chemists' Association inaugurated its winter session in the rooms, 165 Hill Street, Glasgow, on November 16, Mr. A. McMillan (President) in the chair. In his opening remarks the Chairman referred to Professor Stockman's association with pharmacy, and the addresses he had given to their Association and the North British Branch in Edinburgh, and to his work on diacetyl-morphine, which chemical, under the name of "Heroin," was so ably exploited by the Teutons. The large audience listened with great pleasure to the address by Colonel Ralph Stockman, R.A.M.C., Professor of Materia Medica, University of Glasgow, who gave a very interesting and instructive review of the historical side of pharmacy. Beginning with the very earliest times, he recorded how in the period of the second and third centuries B.C. the Romans had no apothecaries as we know them. They were merely sellers of cosmetics, perfumes, and ointments, and the part of the town occupied by them was known as the Vicus Unguentarius (the ointment quarter). The Arabs were credited with producing the first pharmacist, in the year 776, and the professor traced their influence through Italy and Spain to France, Germany, and Continental Europe, and told how at the request of the King of Sweden, Gustavus, a pharmacist, came from Germany, and opened a shop in Stockholm in 1547. In dealing with the pharmacy of Great Britain and Ireland the lecturer recorded how in the early days of supervision the drugs which were usually very inferior were kept in the cellar, while a specially selected quality was kept upstairs to show to the inspector, and these special-quality drugs were carefully preserved, and had to do duty time after time. He outlined the activities of the Grocers' Company and the Society of Apothecaries, and after referring to the rise of the apothecaries and their quarrels with the physicians, he traced the evolution of the grocer (who in the early days was the seller of drugs) to the druggist, the druggist to the apothecary, the barber to the surgeon, and emphasised the fact that this was accomplished by education, and paid a high tribute to the Pharmaceutical Society and the great value of its museum and library. He, however, thought that pharmacists should be playing a more important part in this war as regards the buying of drugs and superintending dispensaries in the hospitals, and showed that even in the war of 1870 our arrangements compared very unfavourably with those of the French. He thought the Pharmaceutical Society might have looked further ahead, and arranged that these affairs would be more in the hands of trained pharmacists with expert experience, and less in the hands of Civil servants. He considered that the Pharmaceutical Society has been hindered by its charter. A body which has been chartered and entrusted with duties that the Privy Council has delegated to it acquires a certain amount of dignity, but it also makes the body very conservative, slow to move, to do anything, or to accomplish anything. The President proposed a hearty vote of thanks, which was seconded by Mr. W. L. Currie, who, in his remarks, recalled the fact that Professor Stockman, as a recognition of the great and good work he had accomplished, was elected an honorary member of the Pharmaceutical Society. He recalled the fact that under an old Statute the Faculty of Physicians of Glasgow has still the right of inspection of druggists' shops, and this brought out the fact that Professor Stockman had held the office of Inspector of Drugs for two years. Thirty-three new members were duly elected. A discussion arose regarding the sale of glycerin, and dissatisfaction was expressed that while chemists are refusing sales grocers are continuing to supply glycerin as usual. It was agreed to take up the matter again with the Minister of Munitions.

Halifax.—At the meeting of the Halifax Chemists' Association held on November 15, a localised minimum retail

price-list was adopted. A Benevolent Fund collecting-box was used for the first time. Insurance dispensing topics were afterwards discussed.

Harrow.—A meeting of the Harrow Pharmacists' Association was held at the Gayton Rooms, Harrow, on November 16, the President (Mr. Bright) in the chair. Vigorous criticism of the terms of pharmaceutical remuneration under the National Insurance Act was indulged in, and a resolution passed that the Middlesex Pharmaceutical Committee be requested to take steps to negotiate directly with the Insurance Commissioners next year in regard to the Drug Tariff, and also to endeavour to federate with the other Pharmaceutical Committees in the country with a view to collective action.

Liverpool.—Mr. William P. Evans (President) filled the chair at the Association's fortnightly meeting held at the Royal Institution, Colquitt Street, on Wednesday, November 22, there being a good attendance to hear an address by Mr. J. P. Gilmour on "The Pharmaceutical Journal." On the motion of Mr. Lomax, Dr. Symes seconding, Mr. Edwin Perkins, Spofforth Road, was elected a member. Mr. Gilmour's paper, which was read in private and was well received, was followed by questions and discussions. Mr. L. Moreton Parry advocated a closer association between British and Irish pharmacists. Previous to the meeting the Council gave a dinner at the Hôtel St. George, the guests being Mr. J. P. Gilmour, Dr. Walsh (ex-President of the Pharmaceutical Society of Ireland), and Mr. William P. Evans. Among those present were Mr. L. Moreton Parry, Dr. Charles Symes, Messrs. John Bain, A. W. Ashcroft, W. Wellings (Treasurer), D. H. Evans (Secretary), J. L. Hirst, G. F. Kennedy, Harold Lomax, W. F. Laycock, and W. H. Clubb (Chairman Pharmaceutical Insurance Committee). Many members of the Association have signed during the last two weeks the visitors' book of the Lord Mayor (Mr. Max Muspratt) at the Town Hall.

London Co.—The Executive Committee of the London County Pharmaceutical Association was held at 17 Bloomsbury Square, London, W.C., on November 21, Mr. A. H. Jenkin (President) in the chair. Mr. A. R. Keith was congratulated on his election to the Council of the Proprietary Articles Trade Association. The Secretary presented the correspondence received since the last meeting, after which the report of the Organisation Sub-Committee was adopted. This dealt with the following subjects: (*a*) Trade problems; (*b*) topics for simultaneous discussion at District Association meetings; (*c*) minimum price-list and surplus stock; (*d*) sale of scheduled poisons; and (*e*) federation of local areas. The recommendation under (*c*) is to be considered at the next meeting.

London (S.W.).—A meeting of the South-West London Pharmacists' Association was held on November 14, at which Mr. G. F. Corrall gave an address on "Co-operative Buying." His views and remarks on the subject were listened to with interest, and it was felt that much might be done on these lines were it possible to break through the barrier of smallmindedness so frequently met with in the ranks of pharmacy.

Plymouth.—A joint meeting of the Plymouth Association of Pharmacists and the Pharmaceutical Committee was held last month to hear an address by Mr. Mallinson on prescription-checking.—The annual meeting of the Association was held on November 2, Mr. F. J. Barge in the chair, when the new Committee was elected. This met on November 9, when Mr. F. Maitland was elected *President*, Mr. C. J. Park *Vice-President*, Mr. J. Hodge *Treasurer*, and Mr. A. Downing *Secretary*. It was decided to have the prescription-pricing in the area checked by the Pharmaceutical Society's Bureau.

Portsmouth.—The Portsmouth Pharmacists' Association held its monthly meeting on November 14, Mr. T. Postlethwaite presiding. Complaint was raised against the manufacturers of a well-known brand of tooth-paste, who are supplying local canteens and messmen with a 6*d*. line while the 1*s*. size is the smallest the trade can handle. The Secretary's communications to the firm on the matter were endorsed. Mr. Brewis suggested the mutual insurance or protection against difficulties under the new Sale of Food and Drugs clause of the Insurance agreement. The meeting, however, considered that this could be left to the Chemists' Defence Association, and advised the local representative of that body to "rope in" the remaining non-members in the borough. The suggested adoption of a retail price-list was not proceeded with.

Southend-on-Sea.—A meeting of the Southend-on-Sea Association of Pharmacists was held on November 16, Mr. S. F. Body (President) in the chair. A discussion on "The Status of a Pharmacist from his Own and the Public Standpoint" was opened by Mr. R. H. Shields, who gave a general review of the conditions under which the average pharmacist exists; while Mr. W. S. Jerome, honorary solicitor to the Association, in stating the case for the public, gave the outsider's view of pharmacists' methods of conducting business, and showed how, in his opinion, these methods might be altered somewhat to advantage. Other members joined in the discussion, and a vote of thanks was accorded to Messrs. Shields and Jerome.

West Ham.—A meeting of the West Ham, East Ham, and Metropolitan Essex Association of Pharmacists was held at Earlham Hall, Forest Gate, E., on November 15. It was agreed to continue the work of the minimum price-list and obtain signatures to an agreement not to cut prices from all members. Members were asked to bring cases of infringement of the General Shops Closing Order to the notice of the Hon. Secretary. A Benevolent Fund collecting-box was used at the meeting for the first time. A whist-drive is to be held, at which a special appeal is to be made for the Orphan Fund. A Sub-Committee was appointed to deal with the question of the recommendations of the Committee on Venereal Diseases as these affect pharmacists.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Derby.—The question of excessive prescribing was reported upon by the Medical Benefit Sub-Committee at a meeting of the Derbyshire Insurance Committee at Derby on November 20. Correspondence had been received in reference to the scrutiny for the year 1914 and for November 1915, but the Panel Committee were not in a position to make their final recommendations. A letter was also read from the Commissioners, calling attention to prescriptions given for the year 1914 by doctors having no patients on their lists for whom such prescriptions should be given, and the necessary investigation was authorised. The Panel Committee having forwarded a resolution regretting that the panel doctors were hampered in prescribing drugs most suitable for their patients because such medicines might be considered extravagant and liable to surcharge, the Sub-Committee decided to reply that it was desired that doctors should always take such action as would provide the best treatment possible for their panel patients. The report was adopted. The Committee referred to the Joint Services Committee a complaint by a chemist that a number of his customers had received from a doctor prescriptions designated by a title not included in the local Formulary nor authorised in the stock mixtures approved by the Commissioners, and that particulars of such private formula had not been furnished to him to enable him, if willing, to supply medicines according to such scripts; further, that the doctor had sent the chemist's customers to another chemist. A scheme drawn up by the Panel Committee, defining the areas of the county in which charges, varying from 1*s*. to 2*s*. 6*d*. per hundred insured persons, should be allowed in respect of emergency dressings and appliances supplied by doctors, was approved. In the course of a discussion on the 1914-15 settlements, it was stated that the amount due to chemists was 730*l*., and from chemists 20*l*. Mr. C. W. Ridyard pointed out that 40*l*. had been knocked off one chemist's account, and that in another case there was a discount of 227*l*., which he contrasted with the payment in full made in Middlesex and of 95 per cent. in Essex.

Essex.—Reference has been made to the revised edition of the Formulary which was issued to chemists and doctors recently (*C. & D.*, November 18, p. 50). The arrangement is now alphabetical, and it is stated that "one or two titles have been altered for brevity or convenience." There are formulæ for twenty-nine misturæ and two lotiones. At the end ten "C. L." stock mixtures are given. Essex formulæ are to be indicated by the addition of "Ex." to the title. In regard to the reduced dispensing-fee for "C. L." mixtures, the Preface states that the saving of 0.5*d*. on a million prescriptions equals 2,083*l*.

Leeds.—At the meeting of the Insurance Committee on November 16, allusion was made to Press statements regarding the inferior quality of drugs supplied to insured persons. Mr. G. F. Kelly, Chairman of the Medical Benefit Sub-Committee, said the complaints contained a great deal of truth. It is the fault of the Government in not finding

sufficient money. The Clerk (Mr. J. A. Atkinson) said under the revised conditions of service which come into force next year the Committee will be able to test the drugs supplied. Already arrangements are being made with the medical officer of health to put the regulation into operation. Mr. F. Pilkington Sargeant, representing the chemists, said there had been no suggestion that chemists did not supply drugs as ordered in the prescriptions.

London.—A meeting of the Insurance Committee was held on November 23. The report of the Finance Sub-Committee recommended that legal assistance be obtained with a view to the recovery of sums overpaid to panel doctors, which some of these practitioners refuse to give up. The report of the Medical Benefit Sub-Committee stated that Cave, Austin & Co., 164 Rushey Green, Catford, S.E., had withdrawn from the chemists' panel. In regard to the new agreements with chemists for 1917, the view of the Pharmaceutical Committee was agreed to—that the Sale of Food and Drugs Act clause would act unfairly in the case of stock mixtures, where the keeping properties of several of the ingredients are extremely doubtful. The Sub-Committee state that these views are reasonable, and are to be referred to the Commissioners. The Pharmaceutical Committee reported a case where a panel doctor exhibited a notice in his waiting-room to the effect that insured persons can have their medicines dispensed at his surgery at a nominal charge. As the practitioner referred to refused to discontinue the exhibition of this notice, the matter was referred to the Medical Service Sub-Committee, which has since recommended that the medical man be asked to discontinue the practice. The Pharmaceutical Committee suggested, in regard to the Early-closing Order made under the Defence of the Realm Act, that doctors should mark those prescriptions "Urgent" which require to be dispensed forthwith, and that all prescriptions not so marked be allowed to remain over until the following morning. The matter is being considered by the Panel Committee. It was decided that a revised edition of the London Insurance Pharmacopœia be issued, and that the Medical Benefit Sub-Committee appoint two members to confer with the representatives of the Panel and Pharmaceutical Committees in connection with the preparation of the work.

Middlesex.—The Formulary which has been distributed by the Panel Committee (see *C. & D.*, November 18, p. 50) contains formulæ for thirty-nine misturæ, two gargarismata, one injectio, two linctus, three lotiones, one pilula, and one unguentum. The quantities of the mixtures are given for one dose and for 8 oz. "Mx." has to be affixed to the titles when ordering. The "C. L." formulæ are indicated by an asterisk. The "Hints to Prescribers" at the commencement gives a "list of preparations for which there are more economical equivalents." The compiler of the list appears to have hazy ideas on the subject of proprietary names.

Southampton.—A meeting of the Insurance Committee was held on November 13, when a communication was considered from the Pharmaceutical Committee regarding the new closing order. It was suggested that the hour mentioned in the dispensing contracts should be changed from 8.30 to 8 P.M. The Clerk had telegraphed to the Commissioners, and had been informed that they did not see any need for modifying the dispensing-hours. The Chairman (Councillor T. Lewis) said the closing order did not apply to dispensing chemists. While in sympathy with the desires of the chemists, the convenience of the insured persons must be considered.

Southend-on-Sea.—Mr. S. F. Body presided at a meeting of the Pharmaceutical Committee on November 16. The Secretary read the report of the Central Checking Bureau with reference to the pricing of the prescriptions for February-July, which showed that a high standard of accuracy has been reached by the Pricing Bureau.

Staffordshire.—At the meeting of the Insurance Committee on November 4, the Clerk reported that the Commissioners had upheld the decision to surcharge a panel doctor 75*l.* for excessive prescribing. In the report of the Prescription-pricing Bureau it was estimated that in future it would cost 11*s.* to 11*s.* 6*d.* to cover the administrative expenses of the Bureau. A discussion afterwards took place regarding the decision of the Medical Benefit Committee to adopt stock mixtures. Mr. Garland pointed out that there could not be uniformity in the composition of stock mixtures containing insoluble ingredients. Mr. Brown characterised the medical treatment as "scurvy," and said that insured persons are to have the worst type of medicine. It may be tolerated in war-time, but after the war any representative who tolerated the present state of affairs would be unfit to speak on behalf of insured persons. Dr. Bull said the suggestion of stock mixtures came from the Commissioners, and he objected to the suggestion that doctors were not acting loyally to insured persons. Dr. Mackenzie said that stock mixtures were customary in medical institutions and hospitals, and that he had used them in his practice for thirty-two years. Mr. Shaw objected to the patronising tone of doctors to laymen. Mrs. Pardoe said the day has gone when a doctor was looked on as an angel of mercy with a halo round his head. (Laughter.) Doctors are business men, and give so much for the money they receive and nothing more—perhaps a little less. It was the abuse of stock mixtures that was objected to. Mr. Garland compared stock mixtures to ready-made clothes. It was decided to enter a protest against the use of stock mixtures, and to request the Commissioners to furnish the Committee with the reasons which influenced them in recommending stock mixtures.

SCOTLAND.

Edinburgh.—The Medical Benefit Sub-Committee of the Insurance Committee have recommended payment of 58*l.* to the Pharmaceutical Committee in respect of their administrative expenses for 1916. The Special Sub-Committee reported having considered the reports by the Checking Bureau on prescriptions dispensed in the Edinburgh area for May, June, and July. The pharmaceutical representatives stated that in spite of the remarks by the Bureau, they could not definitely say whether there were any cases of excessive or extravagant prescribing, and it was decided to submit the reports to the Sub-Committee again. It was resolved that in the case of proprietaries prescribed since June 15, the nearest equivalent, as decided by the Bureau, should be paid for. The Clerk was instructed to issue a circular to doctors, specifying certain proprietaries which are still being prescribed, and again drawing their attention to the necessity in all cases of using the "official" or "officinal" names. The reports from the Bureau were approved. A prescription granted for, *inter alia*, 1 lb. cotton-wool, along with the "B" and "C" forms, was examined. The "A" form had been altered to read "2 lb.," and the chemist had drawn the attention of the Clerk to this when he discovered the alteration. It was decided that the chemist should be paid for the 2 lb. supplied, and that the man's explanation should be obtained and submitted to the Sub-Committee. Two prescription-forms forwarded from the Bureau were considered. One was unsigned, and the signature of the doctor could not be obtained owing to his death. It was decided that the form should be priced. In the other, two rubber bandages had been priced by the chemist at 4*s.* 7*d.*, but no length or breadth having been stated, the form had been returned to him. The Tariff price for the size then stated amounts to 7*s.* 8*d.*, but the Committee decided that he should be paid 4*s.* 7*d.*, the amount originally claimed. Payments to chemists for September, being 90 per cent. of accounts rendered and balance for July, amounted to 353*l.* 9*s.* 4*d.* Mr. George Findlay, 329 Leith Walk, and Mr. A. J. Clark, 94 Morningside Road, resigned from the chemists' panel. Payments to chemists for October amounted to 358*l.* 19*s.* 9*d.*

Notes.

December 1 (*i.e.* Friday of next week) is the last day that Insurance Committees receive notice in writing from medical practitioners, panel chemists, and other medicine and appliance contractors of their desire to terminate their agreements at the end of 1916.

The November Tariff, issued by the National Insurance Commissioners (England), embodies the following alterations in prices of war-affected drugs:

Lower: Acetanilidum, 5*s.* 8*d.* lb.; acid. acetic., 8½*d.* lb.; acid. acetic. glacial., 2*s.* 8*d.* lb.; acid. citric. pulv., 3*s.* 7*d.* lb.; acid. salicylic., 11*s.* 6*d.* lb.; acid. tartaric, 3*s.* 2*d* lb.; aloinum, 5*d.* oz.; bals. peruv., 1*s.* 8*d.* oz.; bism. salicyl., 1*s.* 7*d.* oz.; bism. subgal., 1*s.* 8*d.* oz.; calc. chlorid., 1*s.* 1*d.* lb.; cocain. hydrochlor., 4*s.* dr.; ferri et ammon. cit., 3*s.* 10*d.* lb.; hexamina, 4½*d.* oz.; lin. methyl. sal. co. B.P.C., 14*s.* 3*d.* lb.; liq. ammon. acet., 7*d.* lb.; liq. am. acet. conc., 1*s.* 8*d.* lb.; liq. formaldehyd., 1*s.* 1*d.* lb.; methyl. salicylas, 1*s.* oz.; paraldehyd., 1*s.* 2*d.* oz.; phenazon., 4*s.* oz.; phenolphthalein., 9*s.* oz.; plumbi acet., 1*s.* 6*d.* lb.; pot. acet. (dry granules), 5*s.* lb.; pot. bicarb., 2*s.* 2*d.* lb.; pot. cit., 6*s.* lb.; quin. hydrochl., 4*s.* 3*d.* oz.; quin. sulph., 3*s.* 2*d.* oz.; salol, 1*s.* 7*d.* oz.; sennæ folia, 1*s.* 8*d.* lb.; sennæ fructus (picked Tinnev.), 2*s.* 6*d.* lb.; sodii benz., 2*s.* 3*d.* oz.; strontii bromidum, 1*s.* oz.; tab. acid. acetylsal., gr. v., 3.42*d.* per doz.; tab. Easton., 1-dr. 2.07*d.* per doz., ½-dr. 1.41*d.* per doz.; tab. phenolphthalein., gr. j. 3.93*d.* per doz., gr. ij. 6.81*d.* per doz.; tab. salol., gr. v., 3.51*d.* per doz.; theobrom. et sod. salic., 5*s.* oz.; oiled cambric, best quality, 33 in. width, per yard 17*d.*

Higher: Anthem. flor. exot., 3*s.* 4*d.* lb.; barbitonum, 8*s.* oz.; butyl-chloral hyd., 4*s* 3*d.* oz.; capsulæ creosoti ♏ij., 2.52*d.* per

doz.; ext. opii sicc., 6*s.* 8*d.* oz.; ferri sulph., 5*d.* lb.; guaiacol. carbonas, 12*s.* 9*d.* oz.; homatrop. hydrobrom., 1*s.* 5*d.* gr.; liq. cresol. sap., 1*s.* 5*d.* lb.; liq. opii sed. B.P.C., 8*s.* 4*d.* lb.; ol. cubebæ, 2*s.* 6*d.* oz.; ol. lini, 4*s.* 9*d.* gal.; ol. santal., 3*s.* 6*d.* oz.; opium pulv., 3*s.* 4*d.* oz.; papav. capsulæ ang., 3*s.* 9*d.* per 100; paraff. dur., 9½*d.* lb.; pot. permang., 10*s.* 6*d.* lb.; pulv. cretæ c. opio, 3*s.* 4*d.* lb.; pulv. kino co., 5*s.* 10*d.* lb.; pulv. opii co., 6*s.* 8*d.* lb.; resorcinum, 12*s.* 4*d.* oz.; scammon. res., 11*s.* lb.; sodii sulphocarb., 4*s.* 3*d.* lb.; sulphur præcip., 11*d.* lb.; sulphur sublim., 4*d.* lb.; tab. acid. diethylbarb., gr. v., 13.56*d.* per doz.; tab. ext, casc. sagr., gr. ij., .81*d.* per doz.; tab. guaiacol. carb., gr. v., 21.36*d.* per doz.; tab. pot. chlor. B.P.C., gr. v., .50*d.* per doz.; tr. benzoini co., 5*s.* 9*d.* lb.; tr. camph. co., 3*s.* 8*d.* lb.; tr. opii, 6*s.* 8*d.* lb.; tr. opii ammon., 5*s.* 6*d.* lb.; ung. picis liq., 1*s.* 3*d.* lb.; ung. sulphuris, 1*s.* 6*d.* lb.; zinci sulphocarb., 4*s.* 6*d.* lb.; zinci valerian., 4*s.* 6*d.* oz.; wools, cotton (interleaved), in packets, 1-oz. each 1.17*d.*, 2-oz. 1.92*d.*, 4-oz. 3.42*d.*, 8-oz. 6.50*d.*, 1-lb. 12.50*d.*; catheters, soft rubber (1-12) 7*d.*, (over 12) 12*d.*

The Prescriptions Dispensed in Scotland this year up to the end of September numbered 1,438,205. This we extract from a statement issued by the Central Checking Bureau. In the first quarter of the year 531,573 were dispensed, at a cost of 23,433*l.* 10*s.* 3*d.*, or 10.58*d.* per prescription, compared with 9.51*d.* in the first quarter of 1915. In the second quarter of this year 508,713 prescriptions were dispensed, at a cost of 21,777*l.* 7*s.* 6½*d.*, an average of 10.27*d.*, compared with 9.74*d.* in the second quarter of 1915. During the third quarter of this year the total dispensed was 397,919, at a cost of 15,880*l.* 9*s.* 5*d.*, this showing an average of 9.57*d.*, compared with the average for the third quarter of 1915 of 9.80*d.* In the first three quarters of 1915 1,684,963 prescriptions were dispensed, at a cost of 67,838*l.* 19*s.* 6*d.*, or an average of 9.66*d.* per prescription. There has thus been a considerable falling-off in number this year, and the average cost for the nine months is 10.19*d.* per prescription, the total being 61,091*l.* 7*s.* 2½*d.*

Discharged Soldiers.—The Insurance Commissioners for England, Scotland, Ireland, and Wales have issued a circular to Approved Societies regarding the continued payment of Sickness or Disablement Benefit to those who have become permanently incapable of following their ordinary occupation, with particular reference to the case of soldiers discharged with pensions. The view is taken that an insured person who, though incapable of following his ordinary occupation, is yet physically capable of doing work of some kind cannot be regarded as incapable of work, and so satisfying the statutory requirement for Sickness or Disablement Benefit, if such work is reasonably available to him, due regard being had to his training, aptitude, or other circumstances; but if, on the contrary, such work is not reasonably available, he should be considered as incapable of work. The circular then goes on to apply this definition to discharged sailors and soldiers, and to explain when Societies should get in touch with Pension Authorities.

Germans in Mincing Lane.

In the course of an article dealing with the position of German banks and enemy trading in the City, "The Times" says: "At the London Commercial Sale Rooms, Mincing Lane, the enemy question has been dealt with temporarily, for apparently the directors have not gone beyond asking all the members of German or Austrian birth, denationalised as well as naturalised, to cease using the Rooms as from June 9 last. The request does not apply to those having sons serving in his Majesty's Forces. Before the war the German element was so strong in Mincing Lane that whole trades were in the hands of Germans, who derived great assistance from the German banks in London. The German members do not now frequent the Rooms, and among the British members there is a strong feeling that the question of alien membership after the war ought to be disposed of during the war. Nothing seems to have been settled as to the future of the large number of German business men who are now interned in this country. The British firms certainly do not want to see them back again working to undermine British trade at the heart of the Empire."

Professor Dr. A. Tschirch, who has been director of the Pharmaceutical Institute, Berne, for twenty-six years, celebrated his sixtieth birthday on October 19.

Hyoscyamus Muticus in the West Indies.—It is reported that it is proposed to experiment with the seed of this plant in certain districts in the West Indian islands.

Professor H. Löring, the new director of the Pharmaceutical University Institute of Basle, has been appointed honorary member of the American Pharmaceutical Association at its meeting in Atlantic City, N.J.

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities. Retail buyers cannot, therefore, for these and other reasons, expect to purchase at the prices quoted here.

42 Cannon Street, E.C., November 23, 5.30 p.m.

A fair amount of business has been done in the chemical and drug markets, and the trend of produce generally is upwards, especially among spices and seeds, like pepper, cloves, pimento, gingers, coriander, fenugreek, etc. In chemicals there are few changes. Potash permanganate is scarce and much dearer, and formaldehyde is firmer on higher cost of methyl alcohol in U.S.A. Methyl sulphonal is scarce and higher. On the other hand, acetylsalicylic acid is weak, and freely offered in quantity; the same applies to salicylates, and English makers claim to be able to meet all competition, especially in acid. Quinine is rather lower in second-hands on a flat market. Cream of tartar rather firmer. In essential oils sandalwood is dearer as a result of higher prices paid for wood at the annual auctions; otto of rose has further advanced:

Higher	Firmer	Easier	Lower
Capsicums	Acetic acid	Chloral hydrate	Methyl salicylate
Coriander-seed	Ammonia sulphate	Copaiba	Quinine (see. (hands)
Fenugreek-seed	Cloves	Phenol-phthalein	Salol
Ginger	Copper sulphate	Salicylates	
Lemon grass oil	Cream of tartar	Vanillin	
Methyl sulphonal	Formaldehyde		
Otto of rose	Linseed oil		
Peppers	Opium		
Potash permanganate	Sarsaparilla (Mexican)		
Sandalwood oil	Soda hypo-sulphite		
Shellac			
Turpentine			

Cablegram.

New York, November 23.—Business in drugs is quiet. Gentian is lower at 14c., and cascara sagrada is firmer at 8½c. Sweet oil of birch has been reduced to $2.30. Permanganate of potash has advanced to $2.75, and yellow prussiate of potash is higher at $1.00 per lb. Opium, peppermint oil, and menthol are unchanged.

Acetanilide is unchanged at from 2*s.* 10*d.* to 3*s.* per lb. net and 2*s.* 9*d.* to arrive.

Acetic Acid.—Some makers have sold their production over the next few months, and prices have hardened accordingly. The position of acetate of lime still remains unchanged, so that the advance in acetic acid is not quite justified. Glacial has been raised to 115*l.* to 120*l.*, and 80-per-cent. pure in casks to 77*l.* 10*s.* to 80*l.*

Acetyl-salicylic Acid continues weak owing to the increasing number of offers, both from at home and abroad. From 22*s.* 6*d.* to 25*s.* per lb. represents the current spot values.

Agar-agar.—For good No. 1 Kobe strip sellers ask 2*s.* 1½*d.* per lb. on the spot.

Aloes.—All descriptions seem slow at the moment. Curaçao in cases can be had at 86*s.* to 89*s.* for fine liver, 79*s.* for fair ditto, and ordinary turning livery at 75*s.* per cwt. Good bright Bombay in kegs offers at 85*s.* to 90*s.*, and dull hard at 65*s.*

American Drugs.—The following are a few current net prices for roots, barks, herbs, etc., mostly for spot delivery: *Barks.*—Bayberry, 8*d.* per lb.; canella, 72*s.* 6*d.* per cwt.; sassafras of root, 11½*d.* to 1*s.*; ulmi fulv. powder, 1*s.* 1*d.*; viburnum prunifol. (tree), 11*d.* to 1*s.*; wahoo (euonymus), 1*s.* 8*d.* to 1*s.* 9*d.*; witch-hazel, 7½*d.* to 8*d.* per lb. *Leaves.*—Truxillo coca, 1*s.* 5*d.*; damiana, 9½*d.* to 10*d.*; witchhazel, 7*d.* to 7½*d.* *Roots.*—Leptandra, 8½*d.* to 9*d.*; kava-kava, 1*s.* 4*d.*; krameria, 10*d.* to 10½*d.*; serpentary, 1*s.* 10*d.* to 1*s.* 10½*d.* per lb.; Mexican sarsaparilla, 10½*d.*

AMMONIA SULPHATE remains firm. Home-trade price is 15*l.* 10*s.* for November-March delivery. Export prices are: London, prompt, 25-per-cent., 17*l.* to 17*l.* 2*s.* 6*d.* per ton net, naked at works; Hull, 24-per-cent., 17*l.* 17*s.* 6*d.*; Liverpool, 18*l.* 2*s.* 6*d.*; Leith, 18*l.* 5*s.*, less 3½ per cent. in bags f.o.b.

ARSENIC.—Best Cornish powder is obtainable at 37*l.* per ton; American for forward delivery is obtainable at slightly less.

BALSAMS.—*Peru* is offered at from 15*s.* 9*d.* to 16*s.* per lb. on the spot, and at 13*s.* 10*d.* per lb. on c.i.f. terms. *Canada* is 4*s.* net. Maracaibo *Copaiba* 3*s.* 2*d.*, Maranham, in casks as imported, 3*s.* 8*d.*, filtered Para in tins 2*s.* 10*d.* to 2*s.* 11*d.* as to quantity. *Tolu* is from 1*s.* 7*d.* to 1*s.* 8*d.* net, the latter for good bright hard.

BARBITONE is offered at 37*s.* 6*d.* per lb. net to arrive, the spot value being about 90*s.* net.

BENZOIC ACID.—A limited quantity is obtainable at 25*s.* 6*d.* per lb. net; when better supplies of toluol are available the manufacture will be taken up in this country.

BETA-NAPHTHOL.—Genuine B.P. quality free from naphthaline is scarce, and worth 11*s.* to 11*s.* 6*d.* per lb. on the spot. There are cheaper offers, but the quality is unsuitable for medicinal purposes.

BROMIDES.—Demand has somewhat improved of late owing to the more reasonable range of prices. Potassium crystals are 7*s.* to 7*s.* 3*d.*, granular 6*s.* 6*d.*, ammonium 5*s.* 3*d.*, and sodium 4*s.* per lb. net.

CAMPHOR (REFINED).—The nominal value of Japanese slabs is 3*s.* 4*d.* on the spot, but in the absence of adequate stocks no business is reported; 1-oz. tablets are obtainable at 3*s.* 2½*d.*

CANARY-SEED is dearer in Liverpool, with Spanish offering at 110*s.* to 115*s.* per 464 lb. ex store, according to quality.

CAPSICUMS.—At auction, 122 bags Nyasaland sold at 48*s.* 6*d.* for fair red off-stalk, and ordinary mixed yellowish at 32*s.* 6*d.* to 35*s.*; 35 bales East Coast African sold at higher rates, including fair bright off-stalk at 55*s.* 6*d.* to 56*s.* and yellowish mixed at 52*s.* per cwt.

CASCARA SAGRADA.—Spot is quoted at 63*s.* 6*d.* net for fair thin two-year-old, and in Liverpool 62*s.* net is quoted.

CHAMOMILES.—Belgian are at most unobtainable, with a bale or two offering at 260*s.* per cwt. net.

CHILLIES.—At auction, 118 bags ordinary Mombasa were retired at 95*s.*; 3 bags Nyasaland sold at 120*s.*

CHLORAL HYDRATE is offered at 8*s.* per lb. net *in bond* on the spot and to arrive.

CINCHONA.—At auction on Tuesday 636 packages East Indian offered and 229 sold at previous prices, the unit being slightly over 2*d.* Officinalis, natural stem and quilly chips, 7½*d.* to 9*d.*, small dusty chips 6⅝*d.* to 7*d.*, and shavings 7*d.*; thick renewed chips 9⅞*d.* to 10*d.*, and root 7⅜*d.* to 8*d.*; Java Ledgeriana stem chips 1*s.* 6½*d.*; 60 bales Calisaya were bought in.

CITRIC ACID is unchanged at 2*s.* 6*d.* per lb. for prompt delivery.

CLOVES are firmer with spot sales of fair Zanzibar at 7½*d.* to 7⅞*d.*; to arrive, November-January shipment has been sold at 7 3/16*d.* to 7½*d.* c.i.f., and January-March 7¾*d.* to 7⅞*d.* For January-March delivery 7⅝*d.* to 7⅞*d.* has been paid.

COCAINE.—Hydrochloride continues firm at from 18*s.* 6*d.* to 19*s.* per oz. net.

COCOA-BUTTER.—The sales include 20 tons Van Houten's at 1*s.* 5½*d.* per lb. in bond.

COD-LIVER OIL has been in better demand on the spot at much more favourable prices than those quoted from Norway, 1916 medicinal oil offering at from 450*s.* to 470*s.* per barrel. From Bergen our correspondent writes on November 13 that supplies are rather scarce, and prime medicinal oil has been sold at 575*s.* per barrel. In another quarter from 550*s.* to 598*s.* c.i.f. is quoted. A shipment of 500 barrels recently arrived in New York from Norway.

CODEINE.—The pure crystals offer for prompt delivery at 21*s.* per oz. net, and the phosphate at 18*s.* 6*d.* net.

COPPER SULPHATE remains strong, prompt to March offering at 62*l.* per ton for the usual brands of 98-per-cent. pure.

CORIANDER-SEED is considerably dearer; 52*s.* 6*d.* per cwt. was paid for fair Morocco on Wednesday, with no further sellers at the price.

CREAM OF TARTAR is firmer at from 180*s.* to 182*s.* 6*d.* per cwt., with rather more demand.

CUMIN-SEED.—Further sales of Morocco have been made at 87*s.* 6*d.* on the spot.

EUCALYPTUS OIL has been in better demand with sellers of B.P. oils (60 to 70 per cent.) at 2*s.* to 2*s.* 1*d.*, but for the higher tests up to 2*s.* 4*d.* to 2*s.* 6*d.* is quoted.

FENUGREEK-SEED is in more demand, and the price is higher, with sellers asking 30*s.* per cwt. on the spot for fair Morocco.

FORMALDEHYDE.—Owing to the continued advance in methyl alcohol in the U.S.A. there has been a large home and export demand in that country for formaldehyde at higher prices. This has been reflected in the London market (although consumption is, of course, at its lowest point), dealers' prices varying from 72*s.* 6*d.* to 75*s.* per cwt. for spot supplies.

GINGER.—At auction, 374 bags washed Cochin sold at an advance of 2*s.* per cwt., including fair rough at 46*s.* and wormy 42*s.* 6*d.* to 43*s.*

GINGERGRASS OIL.—Sales have been made at 5*d.*, but now 6*d.* per oz. is asked.

HEXAMINE is quoted at from 2*s.* 9*d.* to 3*s.* per lb., as to seller.

HONEY.—The remarkable quantity sold at last week's auction was said to be due to Government buying, and since the sale the catalogues have practically been cleared. It is anticipated that higher prices will rule this winter in view of a greater demand from the public, honey being relatively cheaper than jam. An auction sale, comprising 200 packages Jamaica, 300 San Domingo, and 300 Cuban, will be held at the sale rooms of Lewis & Peat, 6 Mincing Lane, E.C., on Wednesday, November 29.

HYDRASTIS on the spot is offered at from 24*s.* 6*d.* to 25*s.* per lb. net as to quantity.

HYDROQUINONE can be bought for forward delivery at 12*s.* 6*d.* per lb. net.

JALAP.—Quiet, with 9-per-cent. offering at 10*d.* and 13-per-cent. at 1*s.* per lb.

JUNIPER-BERRIES.—Fine new crop Italian can be had at 24*s.* per cwt. net and gross for net.

LEMONGRASS OIL is dearer at 2¼*d.* per oz. on the spot, and at 2⅛*d.* c.i.f. for Cochin.

LITHIA CARBONATE is offered at from 5*s.* 2*d.* to 5*s.* 4*d.* per lb. on the spot and 5*s.* to arrive.

LYCOPODIUM is offered at from 4*s.* 6*d.* to 4*s.* 9*d.* per lb. net as to quantity.

MENTHOL.—Sales of Kobayashi-Suzuki have been made on the spot at 13*s.* 6*d.*, closing value.

METHYL SALICYLATE is quoted at from 6*s.* 6*d.* to 7*s.* net on the spot for U.S.P., with a weak undertone.

METHYL SULPHONAL is rather scarce at from about 60*s.* to 70*s.* per lb. net, as to seller.

MILK-SUGAR continues very firm and scarce, a limited quantity of Dutch offering at 175*s.* on the spot, also American at 170*s.* spot and 175*s.* to arrive.

MINT OIL.—Japanese dementholised is quiet, with sales of Kobayashi-Suzuki at 4*s.* 1*d.* to 4*s.* 2*d.* c.i.f. for near at hand, closing sellers at 4*s.* 1½*d.* from second-hands; spot is 4*s.* 3*d.* to 4*s.* 4½*d.*

MORPHINE.—There is a large unsatisfied export demand in consequence of makers being unable to book further orders. The nominal price for hydrochloride-powder is 13*s.* 3*d.* per oz., but 14*s.* would be readily paid for prompt stuff.

OILS (FIXED).—*Linseed* is again dearer, closing at 50*s.* 9*d.* per cwt. in pipes landed and 51*s.* 9*d.* in barrels. *Cottonseed* is 48*s.* to 49*s.* for crude in pipes, and pale refined in pipes is 50*s.*; for sweet refined in barrels from 54*s.* to 56*s.* is quoted. *Rape* is firm; ordinary brown naked on spot is 50*s.* to 51*s.*; British refined in barrels is 54*s.* to 56*s.*, and Japanese in cases is 50*s.* c.i.f. for November shipment. *Coconut* is firm at 61*s.* for Ceylon in hogsheads on spot and 59*s.* in pipes. Cochin on spot is 61*s.* to 63*s.*, and London pressed is 51*s.* to 52*s.* Hankow *Wood* oil is at 72*s.* spot and 65*s.* c.i.f. *Soya*—Hull (spot) crushed is 47*s.* 6*d.* Lagos *Palm* is at 46*s.* 6*d.* on spot, and 44*s.* ex quay Liverpool.

OPIUM.—The position of Persian is again firmer inasmuch as last week there were sellers of Persian 10-per-cent. at 31*s.*, whereas there are now buyers in quantity at that figure, but sellers hold aloof. Retail sales of Turkey druggists have been made at 37*s.* 6*d.*, and further buyers, but the stock of this description is practically exhausted.

OTTO OF ROSE.—Further sales of finest Bulgarian have been made at up to 75*s.* per oz. net, at which a limited quantity is still available; one holder asks 80*s.* net. "Own distillation" has been sold at 85*s.* French is quoted at 50*s.*

PEPPER is dearer, fair Singapore *black* having been sold at 9⅛*d.* to 9¼*d.* on the spot; Tellicherry is 10 1/16*d.* and Lampong 9 1/16*d.* Fair white Singapore has advanced to 10¼*d.*, and Muntok to 10⅝*d.*

PEPPERMINT OIL.—American is unchanged at 10*s.* to 10*s.* 3*d.* net on the spot.

PHENACETIN is quoted at 105*s.* net on the spot, and to come forward rather less would be accepted.

PHENOLPHTHALEIN is offered at 82*s.* per lb. net on the spot and 80*s.* to arrive.

POTASH PERMANGANATE is extremely scarce, and a few orders have been placed in the market at from 9*s.* to 9*s.* 6*d.*, which prices have since been refused. Possibly 10*s.* to 10*s.* 6*d.* would lead to business.

POTASH SALTS.—*Bichromate* 1*s.* 6*d.* per lb. net; *Chlorate*, 2*s.* 6*d.* to 2*s.* 7*d.* net as to quantity; *Ferrocyanide*, 4*s.* 4*d.* to

4*s.* 6*d.* net; *Metabisulphite*, crystals, 250*s.*; and powder, 200*s.* per cwt. net. Russian *Carbonate* 85 to 90 per cent. is obtainable at 110*l.* to 115*l.* per ton, and large quantities at less.

Pyrogallic Acid.—Crystals are quoted at 14*s.* 6*d.* to 15*s.* and resublimed at 15*s.* to 15*s.* 6*d.* per lb. net as to seller.

Quicksilver is firm at 17*l.* 15*s.* per bottle on the spot.

Quinine, after a flat tone throughout the week, closes with more inquiry to-day, sellers quoting the usual Continental brands at 2*s.* 8*d.* per oz.

Resorcin is extremely scarce, and 150*s.* per lb. would have to be paid for small lots.

Salicylates.—Competition being still very keen, the result is that prices are being forced down to a point which leaves a very slender margin of profit. To arrive from the United States from 5*s.* 6*d.* to 5*s.* 9*d.* would be accepted in quantity for *acid* and 6*d.* more for *sodium* powder. Spot prices are 6*s.* for acid and 6*s.* 2*d.* to 6*s.* 6*d.* for sodium powder.

Salol.—Some large orders have lately been placed, and current values are now from 10*s.* 6*d.* to 11*s.* per lb.

Sandalwood Oil.—As the prices paid for wood at the opening Coorg sale this week are much higher than anticipated (although the limits fixed were double those of last year), the spot prices of finest English oil distilled from E.I. wood have further advanced to 44*s.* to 45*s.* per lb. net, and a good business has been done thereat.

Senega.—Spot is selling at from 3*s.* 1*d.* to 3*s.* 2*d.* per lb. net as to quantity; to arrive 2*s.* 10*d.* c.i.f. is quoted from America.

Senna.—The exports of senna leaves and pods from the Sudan from January to June 1916 amounted to 263,367 kilos., valued at 27,443*l.*E., against 424,129 kilos., valued at 9,356*l.*E. during January-June 1915.

Shellac shows little change on the week, market closing steady at 140*s.* to 141*s.* for the usual standard TN quality, and 162*s.* 6*d.* to 165*s.* for fine Orange; AC Garnet is 145*s.* and G. A. L. 135*s.* The sales for delivery include December at 138*s.* 6*d.* to 141*s.*, and March 141*s.* to 145*s.*

Soda Hyposulphite is firmer at from 15*l.* 10*s.* to 16*l.* per ton in kegs ex wharf for pea crystals, and at 13*l.* 10*s.* for ordinary. The high freights from U.S.A. have prevented dealers from stocking of late.

Soy.—The best brands of Chinese offer at 2*s.* 7½*d.* to 2*s.* 8*d.* per gall. on the spot, duty paid.

Spermaceti.—American refined in cases is offered at from 9½*d.* to 10*d.* per lb.

Tartaric Acid is unchanged at 2*s.* 7*d.* per lb. for crystals on the spot, and 2*s.* 6½*d.* for powder.

Thymol.—Ex ajowan-seed is offered at from 30*s.* to 32*s.* 6*d.*, and ex thyme oil at 30*s.* per lb.

Turpentine is much dearer on an active market, American on spot closing at 49*s.* 4½*d.* per cwt.

Valerian.—Japanese from a parcel near at hand is offered at 112*s.* per cwt. net and gross for net.

Vanillin is offered at 27*s.* 6*d.* to 28*s.* per lb., and somewhat pressed for sale in certain quarters.

Witch-hazel Ext. is offered at 9*s.* per gal. net in casks.

Arrivals of Chemicals, Drugs, etc.

The following is a selection of arrivals, during the period from November 8 to 20 inclusive, in the English ports named. Goods in transit are not included. The figures refer to the packages—*e.g.*, cases, bags, barrels, boxes, kegs, etc. The weights, when known, are specified:

To London.

Acetic acid (N.Y.) 70 brls.
Acetone (U.S.A.) 109 dms.
Acetone oil (U.S.A.) 42 dms.
Agar-agar 120
Albumen 668 cs.
Alcohol (Fr.) 709 cks.
Alcohol, wood (U.S.A.) 281 dms.
Aloes (B'bay) 50 kgs.
Alumina hyd. (N.Y.) 67
Ammonia 132
Anise (Sh'ghai) 1,120
Anise oil, star 70 cs.
Annatto (W.I.) 50
Antim. ore 4,390 bgs.
Antiphlogistin (N.Y.) 602 cs.
Apricot-kern. 110
Argol (It.) 303, (Port.) 283
Arsenic (Port.) 104 cks.
Barytes (Sp.) 1,660 bgs., (It.) 217
Bergamot oil 3 cs.
Boric ac. (It.) 282 brls.
Calc. borate (N.Y.) 3,034 bgs.
Calc. citrate (Dem.) 9 bgs. 19 cks.
Camphor (Jap.) 580 cs.
Camphor oil 725 cs.
Caraway seed (B'bay) 40
Carbon black 300 cs.
Cardamoms 41 cs.
Cascarilla 7 bls.
Casein (E.I.) 595, (Fr.) 285, (It.) 400
Cashew-nuts 100
Cassia oil 50 cs.
Castor oil (B'bay) 35 cks.
Chaulmoogra oil 25 cs.
Chemicals and drugs (Fr.) 8 cs. 322 pkgs. 10 cks., (Jap.) 10 cs., (R'dam) 15 brls.; drugs, medicines, etc. (Boston) 51 cs., (N.Y.) 498 pkgs.; medicines (Jap.) 18 cs., (Fr.) 10 cs.
Chiretta 71 bls.
Cinchona (Guayaquil) 264
Cinnamon 428
Cochineal 10 bgs.
Coconut oil (Sydney) 300 dms., (Cey.) 13 pns. 115 pps.
Condurango 100
Copra 17,783 bgs.
Corros. sub. (It.) 41 cs.
Cream of tartar (Sp.) 4 brls., (Palermo) 14 cks. 30 kgs., (Fr.) 310 kgs.
Cumin-seed 82
Cuscus 21 bgs.
Divi-divi 1,933
Dressings, surgical (N.Y.) 531 cs.
Drugs (Japan) 15 cs., (Montreal) 160 bxs.
Dyestuffs (N.Y.) 13 brls.
Emulsion (Boston) 2,676 bxs. 10 ½-brls.
Essential oils (Sp.) 1 drm., (Jam.) 6 cs., (Fr.) 15 cs. 137 pkgs., (N.Y.) 15 cs., (Ch.) 50 cs.
Face-cream (N.Y.) 250 cs.
Fellows' syrup (N.Y.) 1,078 cs.
Fig syrup 6,250 cs.
Formaldehyde 56 brls.
Fusel oil (Holland) 9 cks.
Galls (Ch.) 151 cs.
Gentian pow. (Fr.) 11 bgs., (Sp.) 45
Ginger (Jam.) 28
Glycerin (N.Y.) 8 cs.
G. acacia (E.I.) 19 cs. 351 bgs., (M'seilles) 200 bgs.
G. chicle 21 bls.
G. copal 999 pkgs. 50 cs.
G. damar 285 cs. 461 bgs.
G. lassa 63
Gums, undescribed (E.I.) 577 pkgs., (Egypt) 20 bgs.
Honey (Jam.) 10 cks., (Holland) 186 kgs. 75 cs.
Indigo (E.I.) 119 cs.
Indigo-paste 153 cks.
Insect-flow. (Jap.) 30 pkgs., (It.) 92 bls.
Insect-powd. (Jap.) 45 cs.
Juniper-berr. 100
Kola (W.I.) 95
Lavender oil (Fr.) 3 dms.
Lime-juice (W.I.) 129 pns. 239 hds. 1 ck.
Lime oil 4 cs. 3 drms.
Liniment (U.S.A.) 1,852 cs.
Linseed (E.I.) 56,850 bgs.
Liquorice-root (Sp.) 318 bgs., (It.) 10
Mace 38 pkgs.
Manna 2 cs.
Mastich 10 cs.
Menthol 260 cs.
Mercurial salts (It.) 15 cs.
Milk-powder 90 cs. 50 brls.
Milk-sugar (It.) 50
Mint oil (Jap.) 293
Mustard-seed 238
Nutmegs 101 bgs. 100 cs. 175 brls.
Oils, fixed: Cotton 30 cs., fish (Jap.) 3,000 cs., herring (Jap.) 1,500 cs., rape 5,500 cs., sesame 30 cks., shark 1,000 cs., soya 19,153 cs. 99 dms., sperm 350 cs. 66 cks. 166 brls., wood (Jap.) 20 cs., (Ch.) 611
Olibanum 297 cs.
Olive oil (It.) 27 cks. 35 brls. 165 cs., (Sp.) 36 brls., (Fr.) 1,000 bkts. 80 cks. 200 brls. 359 cs. 102 cks.
Opium (B'bay) 100 cs.
Orris (It.) 248 bgs.
Papain (Cey.) 23 cs.
Pepper 4,017 bgs.
Peppermint oil (N.Y.) 15 cs.
Perf. water (Fr.) 62 cbys.
Perfumery (Fr.) 21 cs.
Petroleum jelly 1,000 cs.
Pimento 1,084
Potash iodide (Jap.) 70 cs.
Potash perchloride 165 brls.
Quicksilver (N.Y.) 225 bott.
Rape-seed 13,666 bgs.
Roots, barks, herbs, etc. (U.S.A.) 75 bls.; leaves, dried (Fr.) 204 bls., (Sp.) 28 bgs.; leaves and flowers (It.) 29 pkgs., (Fr.) 30 bls.; leaves and fennel-seed (Fr.) 20 bls.; herbs (Melbourne) 50 bgs.; herbs and roots (Jap.) 118 pkgs. 39 bls.; medicinal seeds (Fr.) 91 bgs. 20 bls.
Saffron 2 cs.
Salicylic ac. (N.Y.) 26 brls.
Salol (Boston) 26 crts.
Saltpetre 4,271 bgs.
Santal-chips 457 bgs.
Santal oil (E.I.) 26 cs.
Sarsaparilla 13, (Jam.) 5
Senna (P. Said) 10 cs.
Sesame-seed 10,700 bgs.
Soda bichrom. (N.Y.) 9 brls.
Soda bisulph. (U.S.A.) 105 brls.
Soda nitrate (Skien) 4,989 bgs.
Soy (Ch.) 100 cks., (Jap.) 200
Soya-beans 6,395 bgs.
Spices (W.I.) 107 pkgs.
Squill 231 bgs.
Sulphur (It.) 12,521 bgs. 300 cs.
Tartar (Fr.) 215, (It.) 130
Tartaric acid (It.) 110 brls.
Teel-seed 125
Theobromine (Amst.) 4 cs.
Thyme (Fr.) 12 bls.
Turpentine (U.S.A.) 1,000 brls.
Valerian (Fr.) 50 bls.
Vanilla 7 cs.
Vermilion 19 cs.
Wax, bees' (Sp.) 41 bgs., (Jam.) 13, (M'seilles) 1,169 bgs. 129 blocks 536 pkgs., (A'dria) 94 bgs., (Port.) 17 bgs., (It.) 50
Wax, veget. (Jap.) 550
Wood oil 300 cs.

To Liverpool.

Acetic acid (N.Y.) 54 brls.
Acid yellow (N.Y.) 6 brls.
Albumen 122 cs.
Alcohol, wood 50 dms.
Alpha naphthylamine (N.Y.) 13 brls.
Ammon. anhyd. 70 crts. 30 bxs. cyl.
Annatto-seed (Jv.) 29, (W.I.) 50
Antim. ore 13,037 bgs.
Arachis oil 4,000 cs.
Argol cr. (Port.) 615 bgs. 56 cks.
Babassu-kern. 950 bgs.
Balsams (Para, Maranham, etc.) 186 brls. 79 cs.
Barytes (Sp.) 41
Castor oil (E.I.) 535 cks.
Castor-seed 1,983 bgs.
Chewing-gum (N.Y.) 600 cs.
Cinchona (Mollendo) 43
Citronella oil (Rangoon) 43 crts.
Coconut oil 60 cks.
Condurango 100 bgs.
Copra 7,873 bgs.
Cottonseed 5,823 bgs.
Cream of tartar (Sp.) 15 pkgs. 27 cks., (Port.) 4 cks.
Cryolite 700 bgs.
Drugs and medicines (Boston) 143 cs.
Drugs, etc., (Fr.) 86 pkgs. 17 cs. 140 pkgs., (N.Y.) 10 pkgs.
Essential oils (Fr.) 29 pkgs., (Sp.) 21 dms.
Formaldehyde (N.Y.) 107 brls.
Gambier 2,999 cs.
Glucose 1,630 brls.
Gum chicle 20 bls.
Gums, undescribed (P. Sudan) 433 bgs., (Lisbon, etc.) 177 pkgs.
Honey (W.I.) 9 cks.
Illipe-nuts 2,419 bgs.
Indigo (Jv.) 26 cs., (Havre) 132 cks.
Isinglass 60 pkgs.
Kola (W.I.) 13
Jaborandi 3 bgs.
Lead acetate (N.Y.) 30 brls.
Lime-juice (N.Y.) 451 pns., (W.I.) 5 cks. 15 pkgs.
Linseed (E.I.) 3,660 bgs., (R.Pl.) 13,214
Medicines (N.Y.) 54 cs.
Milk-powder 40 cks. 240 pkgs.
Mono-chlor. benzol (N.Y.) 26 dms.
Olive oil (Fr.) 20 cs., (Sp.) 85 brls. 50 cs.
Palm-kernels 53,776 bgs. 1,002 tons
Palm oil 1,185 cks.
Perfumery (Fr.) 20 cs. 15 pkgs.
Petitgrain oil (B. Aires) 16 cs.
Pimento 6
Potash pruss. (N.Y.) 9 cks.
Quebracho ext. 63,906 bgs.
Quillaia 229 bls. 2,403 bdls.
Roots, barks, herbs, etc. (Sp.) 10 bls.; roots (Parnahyba) 168 bgs.; medicinal roots (N.Y.) 175 bgs.
Sarsaparilla 12 bls.
Senna (P. Sudan) 55
Shea-nuts (W.C. Af.) 1,486
Soda caustic (N.Y.) 182 dms.
Soda nitrate 425
Soda perborate (N.Y.) 20 brls.
Soya oil 47,000 cs. 777 dms.
Toluol (N.Y.) 15 dms.
Tonka-beans 4 cs.
Turpentine (U.S.A.) 1,400 brls.
Wax, bees' (P. Sudan) 601 pkgs., (Chile) 313 pkgs., (Vigo) 52, (Port.) 464 pkgs., (W.C. Af.) 100 pkgs.
Wax, carnauba 1,871 pkgs.
Wood oil 305 cs.

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Correspondence

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

Mr. Savage's Prescription.

(*"C. & D.," November 18, p. 55*).

Sod Bicarb gr x
Sod Salicylas gr xv
Aq Flor Aurantii ad ℥ss
M ft mist Mitte ʒviii
ʒss ex aqua 4tis horis for 6 doses then t d s p c
C. L. D.
7.vii.16 Omit Sod Salicyl gr v from each dose
Adde Tinct Gelsem ♏v
Tinct Nucis Vom ♏v
to each dose
R. T. GARTON (Battersea, S.W.).

℞ Sod Bicarb gr x
Sod Salicylas gr xv
Syr Ætheris Co ad ʒss
M ft mist Mitte ʒviii
ʒss. c p æq aquæ 4tis horis for 6 doses then t d s p c
C. L. D.
7.vii.16 Omit Sod Salicylas gr v from each dose then add
Tinct Gelsem ♏v
Tinct Nucis Vom ♏iv
to each dose
C. L. D.

JOHN SIM (Worcester).

I read the third item as Syr. Cort. Aurantii ʒss. The first part of the last word closely resembles "Limonis," but the prescriber's pen would not likely run so high with the final "s"; moreover, the "Acid Syrup" would not be chemically compatible, though therapeutically so, with the ingredient Sod. Bicarb. L. P. S. I. (136/7).

Mr. S. H. Bolton (Bradford), Mr. Wm. J. Pearson (Woolston), Mr. J. Young (North Berwick), and others agree with Mr. Garton as to the third item being aq. flor. aurant. ad ʒij. This is what Mr. Savage made the item, and he points out that it was less clear in the original than in our photo-engraved reproduction. One correspondent (138/30) gives aq. flor. rosæ as the item, and another (138/96) gives inf. anthemid., while a third (140/2) ventures on aq. menth. virid. We thank all for their solutions, and Mr. Savage joins with us.

Remuneration for Insurance Dispensing.

SIR,—On reading your report of the Leeds Association meeting it is amazing to find one of the leaders of pharmacy attempting to prove that, after all, the Scotch chemists are not really better off than they are in England, and the inevitable conclusion one arrives at is that they recognise the absolute necessity of doing something to placate the English chemists and reconcile them to a method of remuneration which Mr. Sargeant himself describes as being based "on the sorry foundation of a series of mathematical gymnastics." The Scotch chemists are not content, because their stated case for better remuneration is still, owing to the incidence of the war, unanswered; nevertheless, they are satisfied that their remuneration is greater than it could possibly be under the English system. The Scotch chemist, with the canny prudence of the race, decided as a commonsense business proposition to have nothing to do with a method of pricing which could not be readily checked, and which required elaborate charts, specific-gravity tables, etc., and his leaders have demonstrated to his entire satisfaction that to substitute a price which might be as small as a hundredth part of a penny for the minimum halfpenny is not in accordance with Scotch ideas of adequate remuneration, and such a Tariff is too theoretical to be commercial. Mr. Sargeant appears to infer that the forty typical Scotch prescriptions are not sufficient on which to base the statement that the proposed Drug Tariff yields a return of almost 23 per cent. less, and in this connection I would point out that in Vol. I., Appendix II., of the Report of the Departmental Committee the ratio of the medicaments, which is based on many thousands of prescriptions, entirely agrees with the forty typical prescriptions. Scotch chemists have always contended that the prescribing habits and methods in Scotland are on a higher level than in England, and Mr. Sargeant's examples of the "three batches of prescriptions which were taken haphazard as to number and area" prove this to the hilt. Let us look at these interesting prescriptions for a moment and see what they teach us. It proves the weakness of the comparison when it requires the aid of the 0.3*d.* (or 6¾ per cent.) additional establishment-charge to bolster it up, because, after all, Mr. Roberts has told us in unmistakable language that the inadequacy of the 0.8*d.* in normal times has not been proved, and that the 0.3*d.* is only a war-time concession. For that reason, and because also the Scotch chemists' case was made out on the 0.8*d.* establishment-charge basis, I will purposely leave it out of account in making my comparisons.

English method without additional 0.3*d.*

Batch A,	269 scripts at	£4 18*s.* 6*d.*	gives an average price of	4.39*d.*
,, B,	94	ditto £2 5*s.* 11*d.*	ditto	5.86*d.*
,, C,	188	ditto £4 5*s.* 3*d.*	ditto	5.31*d.*
	551	ditto £11 7*s.* 8*d.*	ditto	4.96*d.*

Average cost per script for drugs by English pricing:

Batch A	269 scripts	1.48*d.*
,, B	94 ,, ...	2.81*d.*
,, C	188 ,, ...	2.39*d.*
	551 ,,	2.02*d.*

In a chart prepared by Mr. A. B. Gilmour, of the Central Checking Bureau, and published in the *C. & D.*, April 22, 1916, p. 480, it was shown that in Scotland the average price per form for the year 1915 was 9.74*d.*, so that it would be decidedly unfair as between chemist and chemist that the establishment-charge would be the same on the 5.49*d.* prescription in England as on the 9.74*d.* prescription in Scotland; further, Mr. Vivian's theory was to have a system which would be equitable as between chemist and chemist, yet this very system would be grossly unfair to the Scotch as compared with the English panel chemist. It has been proved that of the total amount paid to the Scotch chemist 25 per cent. was for dispensing-fees. Commencing with 33⅓ per cent. profit, to which has to be added the increased rate on smaller quantities, together with the incidence of the minimum halfpenny, the profit on drugs is probably 40 per cent., and you thus have the following contrast:

Average English Script.		*Average Scotch Script.*	
Net cost of drugs ...	2.02*d.*	Maximum cost of drugs	5.22*d.*
Establishment-charge and dispensing-fee...	2.94*d.*	Minimum profit on ,,	2.09*d.*
		Dispensing-fee... ...	2.43*d.*
	4.96*d.*		9.74*d.*

Having regard to the fact that no stock mixtures are included in the 551 scripts referred to, and bearing in mind that the dispensing-fee for these is ½*d.* less than for extemporaneously prepared mixtures, and the frequency with which stock mixtures are prescribed in some English areas, these scripts cannot be accepted as typical English prescriptions under the National Insurance Act. The tone of conviction that under the old Tariff a discount of 15 per cent. is almost certain is most humiliating, especially when you consider that the cost per script is so low. Unjust as the discounting clause is of itself, at the same time the Scotch chemists are convinced that with efficiency and economy an adequate pharmacy service can be maintained within the available resources. If Scotland can do that on scripts costing 9.74*d.*, and England is unable to do it on scripts costing 4.96*d.*, then there must be great divergence between the prescribing habits in the two countries. Before discounting could occur in England with scripts at 4.96*d.* each insured person would require to have five scripts. In Scotland the average frequency of prescribing per insured person per annum is approximately two scripts. I have no doubt that the difficulty arising from discounting under the old Tariff could have been solved satisfactorily by a Departmental Inquiry into the prescribing habits of the practitioners rather than into the cost of drugs.

Yours faithfully,
A SCOTCH CHEMIST. (137/54.)

"A Daniel Come to Judgment."

SIR,—I heard an address this week from one of the most thoughtful, well-informed, and virile men in our craft. He spoke convincingly and almost solemnly of the need for organisation and unity among us; but instead of blaming this Executive and that Committee, he pointed a condemning finger at the individual pharmacist. He blamed him for "grousing," and for that most fatal of all errors, indifference, which appears to be specially developed among pharmacists. They seem to go (sometimes) to their Association's meetings, vote with the majority, and pass into indifference again as they leave the room. They live, and move, and have their being in indifference. The

speaker drew attention to the need for a revival of interest at the present time, when affiliation looms large in the air, and warned his hearers (of whom there were only nine, *mirabile dictu!*) that there are mutterings of a storm for us in the future; also that we are drifting towards a great change, so far as the working of the National Health Insurance Act is concerned, which, it is quite possible, will entirely leave the pharmacist out in the cold. The menace of this change occupies the minds of those leaders in our trade who really think, and see, and wish to act. He agreed that while this war is raging it would be unpatriotic to put trouble in the way of an already overworked Government, but surely while we are waiting for peace why should not pharmacists be getting their munitions ready and their generals appointed, and the rank-and-file of pharmacy start to drill, organise, co-ordinate, and form a great, living, powerful force? Then we should be able to ask gently but firmly for what we want—and get it. Take an example by way of illustration. If a town has some grievances which it desires to be righted, what chance would there be for a private individual to write to the Local Government Board and asked for redress? His complaint would slide into the waste-paper basket; but if the ratepayers called a town's meeting and passed a well-carried resolution, a petition of this kind would have very careful consideration, and the greatest probability of resulting in redress, simply through organisation and unity. There could be no greater evidence of the absolute lack of organisation than the way in which the members of our trade are quietly agreeing to go on the panel for 1917, although in their hearts there is not one pharmacist in England who will consent without indignant (although suppressed) dissent. It is the cleft stick with a vengeance. If the pharmacist does not go on, someone else will do the work, and if he does he'll wish all the year he hadn't. The doctors and the Scottish pharmacists have put their feet down. Why, oh! why have not the Englishmen followed suit? Now is the season of our discontent, and in discontent, and that only, is to be found the true secret of progress and upward development in pharmacy. If we have no grievance let us drop the whole subject; if we have one let us unite and mend it. Finally, let us set to work and do it now. Yours faithfully,

Nomen. (130/66.)

Venereal Diseases.

Sir,—As a pharmacist and *paterfamilias* I very heartily welcome "Xrayser's" pronouncement on this matter. Our experience appears to be very similar; indeed, for my part, I could write a book on various aspects of the question. Some journals and papers appear to think that any sort of treatment of the question—isolation, tabulation, etc.—is to be very difficult. I do not know why. But I should say that with something like five or six millions of soldiers enrolled for service a very good beginning might be made. Since the war started I have had to do with many units, from the raw recruit upwards, and to judge by the prescriptions and order-book many of the men, officers, noncoms., and privates alike, are in the throes of gonorrhœa more or less all the time. I have posted the usual medicines to all sorts of places, and it requires little imagination to conceive of the unpleasantness of sandalwood oil and balsam in the trenches, training camps, hospitals, and convalescent homes. It seems to me that all the way through these cases might be traced, kept in sight, and dealt with promptly and properly. Yours, etc.,

Senex. (147/17.)

Subscribers' Symposium.

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas.

Wholesalers' Invoices.

Chemist and Optician (133/33) suggests that wholesale vendors of proprietary articles should have their invoice forms printed in such a way that columns may be provided for minimum retail prices or P.A.T.A. prices, as well as the prices charged by them. This, he points out, would save the buyer, the P.A.T.A., and others concerned a great deal of trouble, while the goods could be marked direct from the invoice.

Seccotine (?) Tablets.

"During the past week or so quite a demand has sprung up for saccharin tablets owing to the shortage of sugar. The grocers here do not seem to be organised at all, or to be working together to smooth the difficulty. Customers must buy so much grocery (which does not include for this purpose bacon or cheese) before they can purchase any sugar; but the amount to be spent, or of sugar allowed to an amount, varies in different shops. 'A pen'north of seccotine tablets, just to try 'em,' is quite a common demand. It is also asked for as compressed sugar, and, needless to say, by many synonyms phonetically resembling saccharin."—*C. W. Kemsey-Bourne* (West Bromwich).

Legal Queries.

The majority of difficulties in regard to trade law are explained in the legal section of "The Chemist and Druggist Diary," 1916, beginning on page 341.

F. C. S. (136/56).—We understand that the Chester City Council's shops order (*C. & D.*, November 18, p. 36) was passed before the Home Secretary's eight o'clock Order was issued.

J. M. (137/40).—It would have been better had you given us the quantities contained in the formula or an exact reference to a book in which the formula is published. Fortunately the fact that the preparation contains liniment of aconite suffices to demonstrate that it is a Part I. poison.

Lex (137/7), having no assistant, employs his wife in his shop at a salary of 1*l.* per week. Their joint incomes do not exceed 500*l.*; are they entitled to make separate income-tax returns, or must their incomes be treated as one for purposes of claiming abatement and allowances? [Since no part of the income is derived from a business or employment carried on by the wife, and distinct from "Lex's" business, their incomes must be counted as one.]

Miscellaneous Inquiries.

Cambrian (137/65).—We do not think that a lad of eighteen is likely to get a post as dispenser either in the Army or Navy. Hitherto when dispensers have been wanted for the Army the Minor examination or its equivalent has been necessary on the part of applicants. Those who enter the R.A.M.C. as privates have to become sergeants and pass an examination before being appointed to dispenserships. In military hospitals women dispensers with the Anothecaries' Assistant's certificate are replacing men of military age. In the Navy there is no regular pharmaceutical service.

C. L. (125/46).—The formula for Lung-tonic that you want is—

Linseed	℥ij.
Extract of liquorice	℥iv.
Oil of anise	♏vj.
Oxymel of squill	Ovj.
Syrup of tolu	Oij.
Tincture of capsicum	ʒj.
Treacle	Ovj.
Distilled water	Oiv.

B. E. A. (131/59).—You will find all information in regard to chloramine T. in the *C. & D.*, February 19, p. 46.

T. W. O. (131/35).—Acute Headache, accompanying an attack of influenza, may be due to one of several causes, but "congestion of the liver" is one of the most common. If the patient is a man he should take no solid food after 5 P.M., tea at that time, then a grain of calomel, tea again at seven o'clock, and a saline at 5 A.M. If there is any fever after that the patient should stay in bed and take liq. ammon. acet. with tr. aconiti ♏j. every hour for six doses, then every three hours.

Cairo Chemist (87/74).—Squire's "Companion to the British Pharmacopœia" is a good book for dispensing-counter use.

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," Nov. 15, 1866.

East Indian Quinine.

The efforts made by the Indian Government to introduce the cinchona plant in India and Ceylon are detailed in a voluminous Blue-book lately presented to Parliament. It contains no less than ninety-four reports and letters respecting the efforts made to extend the cultivation of this valuable plant on the Neilgherry Hills, in Wynaad, Coorg, and Travancore, with a goodly number of reports, showing that the ground had been laid for cinchona cultivation in Sikkim, the Punjaub, Bombay, and Ceylon.

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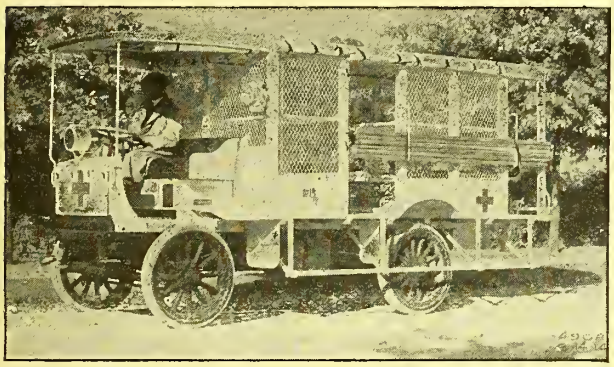

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ANTISTREPTOCOCCIC SERUM, for the treatment of Streptococcic Infection.

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Gamboge, English Ground, 7 lbs. @ 5/6 lb.; 1 lb. @ lb.
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Gingerine, Extra, 5 lbs. @ 13/- lb.; 1 lb. @ 13/6.
Glycerin. Opt. D.D., 1.260 P.B., 56 lbs. @ cwt.; 12 lbs. @ 1/4½ lb.
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* „ Acid. Carbolic, P.B., 6 lbs. @ 1/10 lb.
* „ Acid. Tannic, P.B., 6 lbs. @ 2/5 lb.
„ Belladon. B.P.C., 6 lbs. @ 6/6 lb.; 1 lb. @ 7/- lb.
*Glycerin. Boracis, P.B., 6 lbs. @ 1/6 lb.
* „ Pepsin. Acid, P.B., 1 lb. @ 3/3 lb.
* „ Plumbi Subacet., P.B., 6 lbs. @ 1/11 lb.
Guaiacol Carb., 1 lb. @ 135/- lb.
Guaiacol, pure, 1 lb. @ 82/- lb.
Gum Acaciæ sorts, 3 cwt. @ 68/- cwt.; 1 cwt. @ 72/6 cwt.; 7 lbs. @ 9d. lb.; English Ground Powder, No. 1, 1 cwt. @ 140/- cwt.; 7 lbs. @ 1/6 lb.; No. 2, 1 cwt. @ cwt.; 7 lbs. @ 1/2 lb.
Gum Benzoin, Sumatra, 84 lbs. @ 1/8 lb.; 7 lbs. @ 1/10 lb.
Gum Catechu Nig., English Ground, 1 cwt. @ 105/- cwt.; 14 lbs. @ 1/- lb.
Gum Guaiaci, 1 cwt. @ 1/3 lb.; 28 lbs. @ 1/5 lb.
Gum Juniper, 14 lbs. @ 1/- lb.
Gum Thus Elect., 2½ cwt. @ 48/- cwt.; 28 lbs. @ 52/- cwt.
Gum Tragac. Elect., English Ground, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.

*Heading (Frothing Ess.), 5 lbs. @ 1/3 lb.
Heliotropine, 1 lb. @ 26/- lb.
Hellebore, White, Powder (Foreign Ground), 1 cwt. @ 52/6 cwt.
Hexamethylenetetramine, 7 lbs. @ 3/11 lb.; 1 lb. @ 4/3 lb.
Honey, Pale Set, Jamaica, 28 lbs. @ 70/- cwt.; Californian, ½ cwt. cwt.; 7 lbs. @ 8½d. lb.
Hydrargyrum, P.B., 10 lbs. @ 5/9 lb.; 1 lb. @ 6/- lb.; Ammon., 28 lbs. @ 7/11 lb.; c. Creta. 28 lbs. @ 2/6½ lb.; Iodid. Rub. 28 lbs. @ 16/6 lb.; Oxid Rub., 28 lbs. @ 7/6 lb.; Perchlor., Lump, 28 lbs. @ 7/9 lb.; Subchlor. 28 lbs. @ 7/6 lb.; Sulph. c Sulph., 28 lbs. @ 7/- lb.; 7-lb. quantities 1d. lb. extra. 3-lb. quantities, 2d. lb. extra, 1-lb. quantities, 3d. lb. extra.
Hydrokinone, 1 lb. @ 20/- lb.

Ichthyol Ammon. chemical equivalent: Ammon-Ichthosulphonas, B.P. Codex, 7 lbs. @ 7/- lb.; 1 lb. @ 7/6 lb.
*Inf. Aurant. Conc., 1 to 7, 6 lbs. @ 1/8 lb.
* „ Aurant. Comp. Conc., 1 to 7, 6 lbs. @ 1/7 lb.
* „ Buchu Conc., 1 to 7, 6 lbs. @ 2/8 lb.
* „ Calumbæ Conc., 1 to 7, 6 lbs. @ 1/1 lb.
* „ Caryoph. Conc., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Cascarilla Conc., 1 to 7, 6 lbs. @ 1/6 lb.
* „ Cinchonæ Acid, 1 to 7, 6 lbs. @ 1/10 lb.
* „ Gentianæ Co., 1 to 7, 6 lbs. @ 1/3 lb.
* „ Quassiæ Conc., 1 to 7, 6 lbs. @ 11d. lb.
* „ Rhei Conc., 1 to 7, 6 lbs. @ 1/9 lb.
* „ Rosæ Acid. Conc., 1 to 7, 6 lbs. @ 2/10 lb.
* „ Senegæ Conc., 1 to 7, 6 lbs. @ 2/7 lb.
* „ Valerian Conc., 1 to 7, 6 lbs. @ 1/9 lb.

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Iodoform Pulv. B.P., 7 lbs. @ 20/6 lb.; 1 lb. @ 21/- lb.
Iodum, resub. B.P., 7 lbs. @ 18/9 lb.; 1 lb. @ 19/3 lb.
Isinglass, Brazil, fine cut, 7 lbs. @ 3/9 lb.; 1 lb. @ 4/- lb.; Russian finest, 7 lbs. @ 10/6 lb.; 1 lb. @ 11/- lb.; Ribbon or Sheet, 7 lbs. @ 2/9 lb.; 1 lb. @ 3/- lb.

Kamala, 7 lbs. @ 1/8 lb.; sifted, 2/- per lb.

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Licorice Juice, Sticks, 1 cwt. @ 190/- cwt.; 28 lbs. @ 1/10 lb.; 7 lbs. @ 1/11 lb.
*Lin. Aconiti Meth., 5 lbs. @ 2/2 lb.; 1 lb. @ 2/5 lb.
* „ Bellad. Meth., 5 lbs. @ 8/8 lb.; 1 lb. @ 9/- lb.
„ Camph. P.B., 40 lbs. @ 1/1½ lb.; 9 lbs. @ 1/2½ lb.
„ Sapo Meth., 9 lbs. @ 1/3 lb.
„ Tereb. Acet., B.P., 5 lbs. @ 1/1 lb.
Linseed c. Oil, Crushed, 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.
*Liq. Ammonii Acetatis Conc. 1–7, 6 lbs. @ 1/- lb.; 1 lb. @ 1/4 lb.
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* „ Antim. Chlor. Pure, 8 lbs. @ 10d. lb.
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* „ Arsenii Hydrochlor., P.B., 7 lbs. @ 4d. lb.; 1 lb. @ 7d. lb.
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* „ Sennæ Dulc. 6 lbs. @ 1/8 lb.
* „ Sennæ pro Syr. 1–7, 6 lbs. @ 3/4 lb.
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Manna, Flake, 14 lbs. @ 5/10 lb.; 7 lbs. @ 6/- lb.; 1 lb. @ 6/6 lb.
Menthol, dry white cryst., 60 lbs. @ 13/10 lb. 5 lbs. @ 14/6 lb.
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Ol. Pulegii B.P., 5 lbs. @ 6/6 lb.; 1 lb. @ 6/10.
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Cotarnine HCl. (Stypticin) ...		30/- per oz.
Creta gall. pulv. (2 cwt. bags) ...		30/- each
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Ichthyol Ammon, 7 lbs.		4/6 ,,
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"PENNY PACKETS" (12 in box)	1/6	1/3	10/6
Twopenny Packets (12 in box) ...	2/-	2/-	19/-
	Each.	Each.	Per doz.
Boxes, about 1½ lbs.	4d.	4d.	3/4
" " 3½ "	8d.	8d.	6/8
" " 7 "	1/2	1/2	11/6
" " 14 "	2/-	2/-	20/-

Four 7 lb. Boxes CARRIAGE PAID for 4/-.
Six 7 lb. Boxes CARRIAGE PAID at 11/6 per doz.
Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

No stock to hold		Each.	Each.	Each.
	Bags of 28 lbs.	3/6	3/6	3/-
	" 56 "	6/6	6/6	5/6
	" 1 cwt.	12/-	12/-	10/-

Carriage Paid.

2½ % Discount for Cash on all orders of 20/- and upwards.

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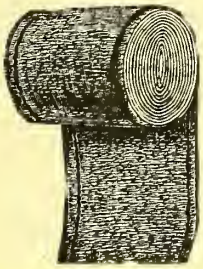

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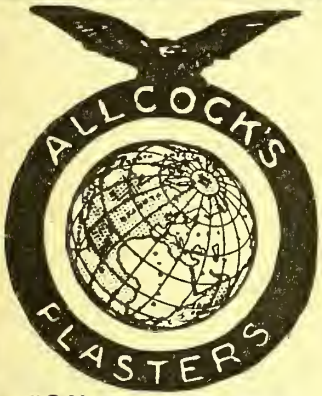

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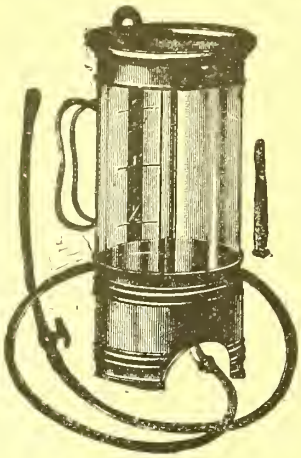

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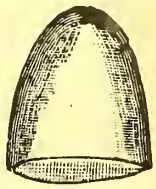

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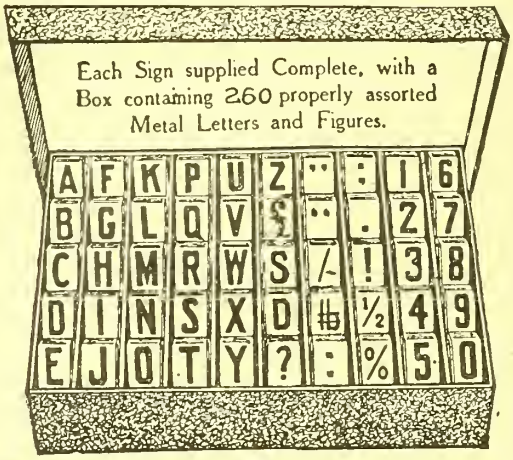

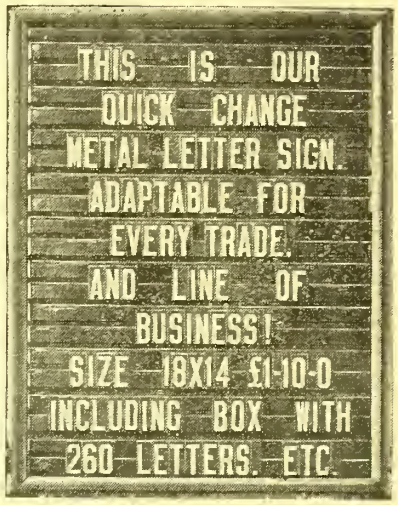

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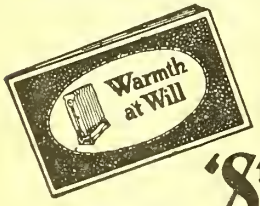

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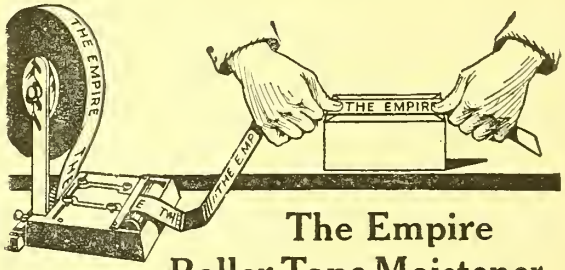


The Empire Roller Tape Moistener

DOES away with the necessity of using string or sealing wax. It seals parcels in one-third the time taken by the use of string—and the parcel remains secure and always looks neat.

An additional advantage of Gummed Tape is the fact that your name or trade mark can be printed at frequent intervals throughout the entire length of the coil of tape, thus every parcel you seal carries your advertisement.

Chemists who are using the Empire Roller Tape Moistener write us saying how valuable it is proving. One Chemist says he "would not be without the machine if it cost treble the money."

Write to-day for fuller particulars.

John Gosheron & Co.,
82-85 Fleet Street, London, E.C.
and
42 Drury Street, Dublin.

RAJAR

PHOTOGRAPHIC GOODS FOR ALL-THE-YEAR-ROUND SALE.

THE WINTER of your discontent with sales of Photographic Material can be dispelled to a very considerable extent by stocking and showing the right goods—"Gaslight" and "Bromide" Papers and Postcards.

Now—when folk stay indoors so much of an evening—is the time to impress on devotees of the Camera how to take the opportunity of printing off from negatives taken during the Summer.

As a leading line introduce Photo Xmas Cards: we make a speciality of these, printed on one side with Seasonable Greetings, and will be pleased to send you particulars and suggestions on receipt of a card. Do it NOW.

RAJAR "GASLIGHT"
RAJAR "BROMIDE"
"RAJINA" (Inter-speed)
PAPERS AND POSTCARDS

RAJAR PLATES
65 to 400 H. & D., and 150 N.S.

Fuller details and trade quotations free on application

RAJAR Limited,
Manufacturers of
FILMS, PLATES & PAPERS
10, MOBBERLEY, in CHESHIRE

Mail Order Business

INTERESTED?

MANY Clients make good incomes this way. SOME make fortunes. YOU can make the former - perhaps the latter.

INVESTIGATE!

May I help you? I am a Fellow of Inc. Soc. Advt. Consultants Enough said!

WRITE TO-DAY FOR MY FREE BOOKLET "BUSINESS BY POST"

F.A.Degen, F.I.S.A.C.
Mail Order Specialist for Chemists & Druggists.
C/O THE C.&D. 42, CANNON ST., LONDON, E.C.

ELT'S COLLEGE

North Finchley, London, N.

October 'Hall' Examination

ALL STUDENTS PASSED

and all at their FIRST attempt.

Thus the excellent Results of July were repeated.

Full particulars of new Minor Course, January 9, 1917, or of new 'Hall' Course, January 30, or of the wonderfully organised Postal Courses for all Examinations will be sent on application.

HOW TO BECOME A DISPENSER. A Profession for which Women are wanted, both now and after the War.

Brief Extracts from the periodical, "Everywoman" London, Nov. 4, 1916.

THE girl who is a dispenser is able to do her "bit" to help win the war; she can release a man for the firing line, and when Peace comes she can fill up a gap where one has given his life for his country. . .

WHAT IT COSTS TO LEARN.—The fees vary very much. At WESTMINSTER COLLEGE, Clapham Road, for instance, the inclusive fee for six months is only £8 8s., and this includes books and apparatus. . . . If a girl is living in the country and unable to attend a College, she can take a course of

WILLS'S UNIVERSAL POSTAL SYSTEM.

The fee is only £1 1s. She will then have Lectures sent her every week from WESTMINSTER COLLEGE, and when she can get to London she will be fairly well up in the work before she enters the College.

GOOD SALARIED APPOINTMENTS.—They vary from 25s. to £2 10s. a week. . . . . We would advise any girls about to start a career to consider very seriously this profitable profession.

For particulars of WILLS'S UNIVERSAL POSTAL SYSTEM apply The Principals,

Westminster College, 402 Clapham Rd., London, S.W.

The Northern College of Pharmacy
BURLINGTON STREET, MANCHESTER, S.W.

Principal - E. GOWER BRYANT, F.C.S.

Tutor for Lady Students for the Apothecaries' Hall—Miss E. ROSE, M.P.S.

Full-Time Course for the MINOR will commence on January 3, 1917.

Part-Time, January 10.

All particulars will be sent Post Free on Application.
Telephone: CITY 7698.

AN EXCELLENT OPPORTUNITY FOR WOMEN.

British Optical Institute, Limited
FERN LODGE, 20a GROVE ROAD, BRIXTON, S.W.

TECHNICAL INSTRUCTION IN OPTICS.

Day and Evening Classes during Term time in preparation for all Optical Examinations, under the supervision of the Principal, assisted by Mr. H. Firth, F.B.O.A., F.S.M.C. (1st Prizeman). Well thought-out and successful Postal Courses for Provincial, Colonial and Foreign Students.

CLINIC, EXPERIMENTAL & LABORATORY WORK.

As Women are now needed in the Optical Profession to replace men called up on active service, special short Courses of Study, with abundant opportunities for practical work, are being held continuously at the Institute to fit women for an occupation so eminently suited to their capacities.

For further particulars and fully detailed Prospectus, apply to the Principal, Dr. MAX COQUE, B.Sc. (Telephone: Brixton 677.)

BIRMINGHAM & MIDLAND
COLLEGE OF CHEMISTRY, PHARMACY AND BOTANY,
NEWHALL STREET, BIRMINGHAM.

Principal—G. L. SCOTT, Pharmaceutical Chemist.

FULL-TIME, AFTERNOON & EVENING CLASSES.

THOROUGH UP-TO-DATE & RAPID TUITION.

Full Particulars on Application.

FOR SOUND AND PRACTICAL TUITION IT IS UNEXCELLED.

LIVERPOOL SCHOOL OF PHARMACY

FOUNDED IN 1850 by the LIVERPOOL CHEMISTS' ASSOCIATION, and still RECOMMENDED by that Body.

PRINCIPAL, H. HUMPHREYS JONES, Ph.C., F.C.S.

JANUARY MINOR PASS LIST	PRACTICAL...	... 100%
	THEORY ...	... 85%
APRIL MINOR PASS LIST	PRACTICAL...	... 100%
	THEORY ...	... 100%

Full particulars of COURSES for APOTHECARIES' HALL and MINOR Examinations on application to

The PRINCIPAL, 18 COLQUITT STREET, LIVERPOOL.

"YOU can fool all the People some of the time,
And some of the People all the time,
But you cannot fool all the People all the time."

YOU, as a Retail Optician, are fooled "some of the time" along with the rest of us, but it is up to you to see that you are not fooled "all the time."

REMEMBER it is you and your reputation which will suffer if the goods you sell do not give satisfaction to your clients, and if the Manufacturer cares to ignore this fact and offers you low-priced goods as the equal in quality of similar goods for which a higher price is charged, he may do so with little hurt to himself, at any rate so far as the immediate present is concerned.

THE Retailer has not only to consider the loss of any particular customer to whom such unserviceable frames are sold, but what is more important, the loss of numerous customers who would in all probability be recommended by that client had the goods, which were purchased in good faith both by yourself and your client as "average good quality," proved satisfactory; and do not forget that such losses of clientele as this usually occur as the result of a saving of two or three shillings at the most per dozen—a paltry 2*d.* or 3*d.* per Frame.

YOU probably feel safe in buying, let us say, a 1/10th 10ct. Frame under the impression that 1/10th 10ct. is a standard and that any Frame of this Stock is the equal of any other frame similarly designated, but we need go no further into the matter than to remind you of the varying prices at which 1/10th 10ct. Frames are quoted at the present time, to prove, to the man who thinks, that these variously priced frames, although all very properly classed as 1/10th 10ct., really differ very considerably as regards their ACTUAL WEARING QUALITY.

THAT is why we adopted the principle of the guaranteed Frame.

WE GUARANTEE our goods and with them your REPUTATION, which you cannot maintain by using cheap-priced goods.

IT would be easy for us to sell you low quality goods at low prices providing we considered only the business of the moment, but as we want orders from "all the people all the time," we look beyond the immediate profit of the current transactions and realise that we can only hold your business by retaining your confidence through the supply of goods which will give lasting satisfaction and help you to build up a sound reputation with your clients.

THERE is no possibility of your being fooled even "some of the time" if you buy Frames guaranteed to wear a certain number of years, and returnable should they fail to come up to the guarantee. Such Frames are the "Stoco" 5, 10, 15, 20, and 25 year guaranteed qualities, and the reputation of the House of "Stoco" is behind the guarantee.

THE lines indicated below will help you to build up and maintain a business on sound merit by the sale of goods of dependable quality, and will ensure a satisfied clientele eager to recommend its friends.

The "**STANDWEAR**" Mounting (Finger-piece) in Rolled Gold and Solid Gold.
The "**CHALLENGE**" Mounting (Finger-piece) in Rolled Gold and "Silvaline."
The "**STANDARD**" Eyeglass Mounting in Steel, Rolled Gold and Solid Gold.
The "**STANDARD**" Eyeglass Frame in Steel, Rolled Gold and Solid Gold.
"**STOCO**" Rolled Gold Cable and Straightside Frames. Guaranteed for 5, 10, 15, 20 and 25 years.
"**STOCO**" Rolled Gold Oval Bar Astigs. Guaranteed for 5, 10, 15, 20 and 25 years.
"**SILVALINE**" (Registered). Our Special White Metal Alloy. Cable Side, Straightside and Astig. Frames.
"**STOCO**" **OPTICAL MACHINERY**. The merits of which are well known.
"**FARRINGTON**" **SPECTACLE CASES**. For which we are the Sole Agents.
"**STURDY**" **EYEGLASS CHAINS**, in Rolled Gold and Solid Gold.
LENSES: Large stocks of Edged and Uncut always on hand at **RIGHT PRICES.**
PRESCRIPTION SERVICE.

STANDARD OPTICAL CO., Ltd.
59-62 Hatton Garden ✣ LONDON, E.C.

Factory—GENEVA, NEW YORK, U.S.A.

Telephone: 3060 Holborn (2 lines). **Telegraphic Address: "Salability."**

INDIA RUBBER

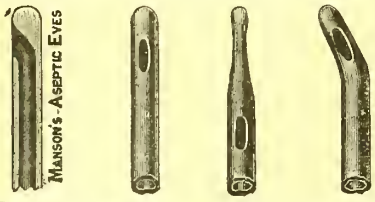
[See p. 425 "C. & D." Diary 1916

(Red Mineralized and Arabesque).

SURGICAL, CHEMICAL, DOMESTIC ARTICLES, SYRINGES, ENEMAS, WATER BEDS.

Manufacturers of every description of ***INDIA RUBBER,*** *Wholesale & Export only.*

WM. WARNE & CO., Ltd., 29 Gresham Street, LONDON, E.C.



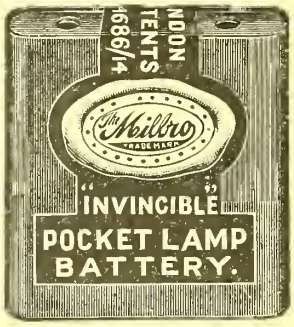
R. MANSON,

Culvert Works, Culvert Road, South Tottenham, London, N.

WHOLESALE AND EXPORT ONLY.

Manufacturer of CATHETERS and BOUGIES, DRUGGISTS' SUNDRIES, SURGICAL RUBBER GOODS and DRESSINGS.

Ask for Price Lists.



There are BATTERIES AND BATTERIES.

Buy only those with a reputation for
1. Long Life. 2. Recuperative Qualities. 3. Ample Guarantee

All Batteries bearing this label can be absolutely relied on.

THIS IS OUR No. 5 QUALITY.

If you have an account with us you can have
A DOZEN - A GROSS - A THOUSAND
despatched same day order is received.

Send for our No. 46 Catalogue of Electric Pocket Lamps and other Saleable and Seasonable Specialities.

MILLARD BROTHERS, LTD.
123 HOUNDSDITCH, LONDON, E.C.

STERILE SURGICAL CATGUT

ALL-BRITISH.

We are actual Manufacturers, by Aseptic process, under Hygienic conditions and strict Bacteriological control, **of all Surgical Catguts—right from the selected fresh intestines to the finished sterile Ligature** ready for immediate use at the Operating Table.

Packed in hermetically sealed glass tubes; on spools; or in bulk lengths. 10, 20, 30, and 40-day muscle absorption; Tanned, Formalin, Chromic, &c.

We are Contractors to H.M. Admiralty and War Office; and supply largely to the leading Civil and Military Hospitals throughout the United Kingdom.

INQUIRIES INVITED.

G. F. MERSON & CO., Manufacturing Chemists, **EDINBURGH.**

Tel. Address:" Pillischer London." ***Established 1843.*** **Telephone: 4418 Gerrard.**

J. PILLISCHER, 88 NEW BOND STREET, LONDON, W.

MANUFACTURER OF SCIENTIFIC INSTRUMENTS AND

SOLE MANUFACTURER OF THE CELEBRATED "INALTERABLE" CLINICAL THERMOMETER.

RECENT EXHIBITIONS: 12 GOLD MEDALS—14 GRANDS PRIX.

GAND, 1913, GRAND PRIX; GAND, 1913, HORS CONCOURS.
(French Section) (British Section)

THE CHEMIST & DRUGGIST SUPPLEMENT.

OFFICE: 42 CANNON STREET, E.C. SATURDAY, NOVEMBER 25, 1916.

TO ADVERTISERS IN THIS SUPPLEMENT.

The Publisher desires to make it clear that advertisements of Businesses for Disposal and Wanted, Situations Open and Wanted, Exchange Column, &c., **MUST BE PREPAID** (except in the case of serial advertisers), and to ensure prompt insertion **REMITTANCES MUST ACCOMPANY INSTRUCTIONS.**

Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week. If it is necessary to telephone or telegraph an urgent announcement this may be done **PROVIDED the MONEY is TELEGRAPHED** at the same time and the fact made clear that the money order is to be delivered at 42 CANNON STREET, LONDON, E.C. Advertisers will assist greatly in the preparation and quick despatch of the Supplement by making careful note of these rules. Telephone: No. 2617 Central (3 lines). Telegraphic Address: "Chemicus Cannon London." (Three words counted as two.)

BEST RESULTS EVERY WEEK!

There is no need to guarantee the genuineness of the advertisements in 'The Chemist & Druggist Supplement.' Everybody in the drug-trade knows that only *bona-fide* paid-for advertisements are inserted. The 'Chemist & Druggist Supplement' knows no dead-heads, for it gives

THE PUBLICITY IT PAYS TO PAY FOR.

CHEMISTS' TRANSFERS.

Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone Number: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

1.—LONDON, W. (Special Opportunity).—For immediate Disposal, high-class Dispensing and Retail Business; returns about £1,200; *gross profit between* £650 *and* £700; the business is known to us, and we can recommend it; valuation terms.

2.—RICHMOND (Surrey), Near.—Very old-established Business; held by vendor many years, now retiring; returns about £870; *profits above the average*; first reasonable offer will be accepted.

3.—LONDON, S.W.—Good-class Retail, Dispensing and Optical Business, situate in pleasant residential locality; returns about £2,000. To effect a speedy transfer, widow will accept any reasonable offer.

4.—KENSINGTON.—Established Business, Retail and Dispensing; held by vendor many years; returns £1,000 yearly; *profits above the average of retail trade*; capital opening for modern trading; terms, value of stock and fixtures.

5.—TOTTENHAM.—Ready-money Business; returning under manager £1,400 to £1,500, at good prices; about the value of stock and fixtures required; part payment considered; books kept by accountant, and stock taken annually; about £375 required to purchase.

6.—SOUTH COAST.—Old-established Retail and Dispensing Business, with Optical connection; returns between £1,400 and £1,500, present rate less; well-fitted shop, commanding position, facing the railway station; death reason for disposal.

7.—LONDON, E.—Ready-money Drug Stores, at present under unqualified management; returns £8 to £10 weekly; scope for development under energetic management; price £150; death cause of sale.

8.—SOUTH COAST (Good-class town).—Retail and Dispensing Business; good opening for Side Lines; returns between £1,000 and £1,100; *net profit about* £400; exceptionally good house; all in good repair; price £750.

9.—TAUNTON (Within easy distance of).—Old-established Business; returns about £1,700; good profits; price £1,000; further details on application; references will facilitate business.

10.—WESTERN COUNTY (Health Resort).—Select, good-class Business, admitting of extension; returns about £1,400; well-stocked shop and good house, on lease; price £1,200.

11.—ESSEX (Health Resort).—Modern Pharmacy, situate in the principal street; returns exceed £1,000; full investigation permitted; the shop is nicely fitted and fully stocked; convenient residence; terms, valuation of stock and fixtures and £100 premium.

12.—YORKS (Large Town).—Old-established Business, Retail, Dispensing, Photographic, and Minerals; returns, including Branch, about £2,650; terms, valuation of stock and fixtures.

13.—HUNTS.—Unopposed Business, Retail and Agricultural; returns £825; *net profit about* £230; comfortable residence, with bathroom and offices, flower and kitchen gardens; rent £25; price £400.

14.—SUSSEX.—First-class county connection in good district; returns £836; *net profit, after all expenses paid.* £301; price £650, for which good value is offered.

VALUATIONS FOR STOCKTAKING.

Messrs. O. & Co. desire to emphasize the necessity of a Periodical Statement of Account, by which means alone **Profit, the value of Business, &c.**, can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted, and eventually becomes the cause of **confusion and loss.**

Messrs. O. & Co. are prepared to undertake these essential duties, and will make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

PARSON C. BAKER

Pharmaceutical Chemist,

TRADE VALUER AND TRANSFER AGENT.

Recommended by British Drug Houses, Ltd.: Meggeson & Co.: Barclay & Son.
Tel. No.: FINCHLEY 812

Valuer to the Association of Manufacturing Chemists, Ltd.

VALUATIONS, ESTIMATIONS, EXAMINATIONS, AND FULL REPORTS. Town or Country, on moderate terms

No charge whatever to vendors or purchasers except by agreement.
Personal Attention. 40 years' Valuation Experience.

Forced Sale.—Joining up. Central position, popular suburb. Returns £1,300, good class. Large house, can let off. Suit limited company.

CORRESPONDENCE INVITED.

1 MOUNTFIELD RD., CHURCH END, FINCHLEY, N.

THOS. TOMLINSON & SON

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS,

45a MARKET STREET, MANCHESTER.

Established over Half a Century.

Telegraphic Address: "Tomtom."

BATTAM & HEYWOOD

(Estd. 1837.)

CHEMISTS' VALUERS, TRANSFER AGENTS, AND EXPERT STOCKTAKERS.

Balance Sheets Prepared. Books Audited.

3 DAVIES STREET, BERKELEY SQUARE, W.

Telephone: Gerrard 2169.

BERDOE & FISH

VALUERS & TRANSFER AGENTS,

35 Jewry Street, Fenchurch Street, City.

Telephone: 1809 Central.

NO CHARGE TO PURCHASERS.

1.—SOUTH COAST (Fashionable Resort).—Good-class Dispensing and Retail Business, with Photographic, in principal main thoroughfare; turnover nearly £2,000; profits about a third; commanding corner Pharmacy, well fitted and stocked; good house attached; price, simply valuation of stock and fixtures, plus £100 goodwill, in all about £1,000.

2.—MIDDLESEX.—Good-class Chemist's and Optician's Business for Sale through death; returns over £1,850; good profits; attractive Pharmacy, in fine position and well stocked; good house; price about £1,000, or would sell separately; personally recommended.

3.—LONDON (Borders of City).—Very profitable Cash Retail, with N.H.I., for immediate Disposal, situated in densely populated working-class district; returns last three years average over £2,200, proof given; entirely under management; excellent profits; low rent, on lease; price £1,000, or near offer; strongly recommended.

4.—CLAPTON, N.—Good-class Light Suburban Retail Business; in same hands 16 years; returns £850; good profits; attractive Pharmacy and convenient house; stock and fixtures recently valued at over £300; will accept about £150 for quick sale; only requires seeing; personally recommended.

STOCKTAKINGS.

Appointments for stocktakings and valuations should be made early. Full particulars and terms sent on application.

Why you should have stock taken is very clearly defined on page 135 of the *C. & D. Diary* for this year. Have you read it?

BUSINESSES FOR DISPOSAL.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

MANCHESTER.—Old-established business on main road, Light Retail and Dispensing; good living accommodation. 10/6, Office of this Paper.

SOUTH WALES.—Advertiser will have for Disposal his genuine Cash Retail Business, situated in progressive Colliery district; returns about £1,200; good net profits; every investigation offered to bona-fide inquiries; reasonable terms might be arranged. 261/35, Office of this Paper.

PHARMACIST, with serious chronic illness, will immediately, or in near future, transfer directly, by private treaty only, old-established Business, high-class Dispensing and general; preference to a successor wounded or permanently invalided through the war; healthy watering place, within 60 miles of London. References and particulars of experience in first letter, since transferee will be tenant of present proprietor, "Moribundus" (10/16), Office of this Paper.

TO Sell.—A good Country Retail Business, with house and garden, in lovely district; good Farmers' trade; owner no time to attend to it; anyone can make a good living; no opposition. Wright's Drug Stores, Denby Dale, Huddersfield.

£85 OR best offer secures Drug Store (Midlands); must be sold; owner called up; one of the best pitches for a qualified man; no opposition for miles; splendid opening for N.H.I., calling capacity over 8,000; plenty of scope to man who can stock right. Particulars, J. Smith, Drug Stores, Shelfield, Walsall.

£70, FIXTURES, fittings and small stock of old-established Business just closed; large, handsomely fitted shop, in good position; prosperous country town; 5,000 population; one other Chemist; plenty of scope for good turnover; splendid opening for Dentistry; house and garden attached; rent £35; accept £50 down; exceptional opportunity and great bargain. "Cambs" (140/23), Office of this Paper.

FOR SALE.

LYCOPODIUM.—60 lb. for Disposal. Offers to 131/49, Office of this Paper.

MUST Sell at Once.—Slightly used National Cash Register, keys ½*d.* to £2; prints tickets; very low price for quick sale. Write, F. Collender, 26 Streatfield Street, Burdett Road, E.

STRONG, once-used, Wood Packing Cases, 21½″ × 14″ × 11″; also wanted to purchase, Ointment Mill. Price and full particulars to F. E. Johnson & Co., School Street Laboratories, Hull.

8 OZ. Ferri et Quinnæ Cit., 7*s.*; 8 oz. Phenazonum, 24*s.*; 1 lb. Pot. Iodid., 14*s.* 6*d.*; 1 lb. Pot. Brom., 6*s.* 6*d.*; 1 lb. Iodium Resublim., 16*s.*; 4 oz. Guaiacol Carb., @ 32*s.*; 8 oz. Caffeiu Citras., 12*s.*; or £5 the lot. Apply, 12/32, Office of this Paper.

TO LET.

HALIFAX.—Good opening in suburb; no opposition; growing district; all kinds of shops in the district except Chemists; nearest Chemist over a mile; new property; rent £30, including house. Apply, 8/9, Office of this Paper.

SALES BY AUCTION.

TRADING WITH THE ENEMY AMENDMENT ACT, 1916.

RE ODOL CHEMICAL WORKS.

("ODOL," "IREX," "FORMAWN," "PIXOAP," etc.)
To be Sold
By Order of the Controller appointed by the Board of Trade,
Claude C. Campling, Esq.,
Chartered Accountant.

MESSRS. DANIEL WATNEY & SONS are instructed to offer by PUBLIC AUCTION on the premises,
Nos. 6 & 8 Marshalsea Road, Southwark, S.E.,
ON TUESDAY, THE 12th DECEMBER, 1916, at 12 O'CLOCK PRECISELY,
the Plant and Machinery, Oils, Essences, Bottles, Trade Sundries, Office Furniture, Safe, Trade Carts, Harness, and other miscellanæ, comprising the entire Stock-in-trade in this country of
THE ODOL CHEMICAL WORKS.

The entire Stock as per detailed Catalogue will be first offered IN ONE LOT as it stands, and if not disposed of as a whole, it will be sold in separate Lots without reserve as per catalogue.
On view day prior and morning of Sale.

Catalogues of:—
THE CONTROLLER, CLAUDE C. CAMPLING, ESQ. (MESSRS. WHINNEY SMITH & WHINNEY), CHARTERED ACCOUNTANTS,
4b FREDERICK'S PLACE, OLD JEWRY, E.C.; or
THE SOLICITORS,
MESSRS. FOSS, BILBROUGH, PLASKITT & CO.,
5 FENCHURCH STREET, E.C.; or of
The Auctioneers,
Messrs. Daniel Watney & Sons,
4a Frederick's Place, Old Jewry, E.C.

AGENCIES.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

FRENCH and English Chemists, doing a good Wholesale and Retail business in Chile, S.A., are open to take up exclusive Agencies; keep your trade out of German hands; references, Evans Sons Lescher & Webb, Ltd. Address, Mahuzier Succesores, P.O. Box 265, Oonceptcion, Chile, S.A.

SPAIN.—Spanish Pharmacist, speaking English and French, with London and Paris Pharmacy experience; Travelling experience in Spain, calling on Doctors and Chemists, is open to Represent first-class firm; best references. Apply, 7/17, Office of this Paper.

WANTED, Side-line, suitable for working-class business, owner of which is prepared to invest capital; or sole Wholesale Agency for known selling lines for district would be considered; industrial town, N.E. Yorkshire; Dentistry or Optics added to advantage if suitable man could be met with. 10/25, Office of this Paper.

WELL-ESTABLISHED Bombay firm, with good connection among Dealers in Drugs, Patent Medicines, etc., desires to take up the sale of the Goods of British Manufacturers in India; open to keep stocks and distribute. Address, Bilimoria & Co., 121 Dhobitalao, Bombay, India.

BUSINESSES WANTED.

PHARMACIST requires a Business, London or suburbs; returns from £800 to £1,500. Full particulars, in confidence, to "Tangent" (11/16), Office of this Paper

ADVERTISER wishes to purchase a nice class Light Cash Retail Business, preferably with small modern house attached; good price given for a genuine, lucrative concern. Replies, in confidence, to "Bona-fide" (12/10), Office of this Paper.

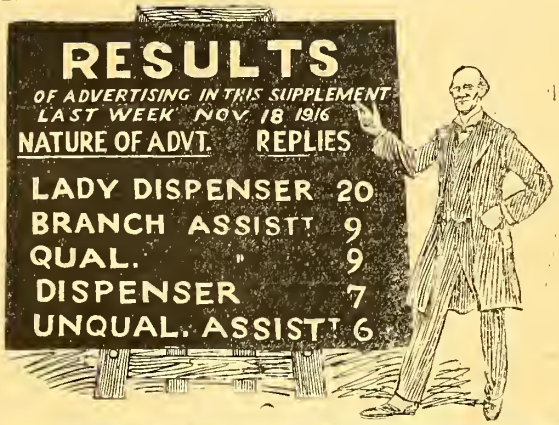
PARTNERSHIPS.

HALF-SHARE in established Drug Store; smart shop, well situated; little opposition; cash returns average £400 yearly, increasing; London, S.W.; £75 cash required; suit unqualified man; need not interfere with present employment; gross profits over 50 per cent.; expenses low; a safe investment. Write for interview, "Drug Store" (10/9), Office of this Paper.

SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**



This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of Advertisers who use a number or nom de plume.

TO SAVE TROUBLE.

MANY correspondents answering advertisements in this Supplement enclose remittances to cover the cost of forwarding their letters to advertisers who prefer to be addressed c/o this Office. The Publisher desires to make it clear that this is quite superfluous, and perhaps this reminder will obviate the necessity of the frequent return by him of such remittances.

ANSWER IN TERMS OF THE ADVERTISEMENT AND

REMEMBER you are one of possibly hundreds applying for the same position. Put your case before the advertiser so that he may be able to form a MENTAL PICTURE of your suitableness.

BE BRIEF BUT CLEAR.—Millions of applications are consigned to the waste-paper basket UNCONSIDERED, because the reader cannot form this picture from the inadequacy of the materials set before him.

RETAIL.

BRISTOL.—Assistant wanted, lady or gentleman; ineligible. Apply, stating salary required, age, height, experience, references, and when disengaged, to F. Moss, 206 Redland Road, Bristol.

BUXTON.—Wanted, experienced Assistant, lady or gentleman, for good-class Family Dispensing business; outdoors. State wages required and full particulars to Pugh, Chemist, Buxton, Derby.

BUXTON.—Junior Assistant, with Dispensing experience, and used to good-class of business; lady or gentleman; (ineligible); comfortable berth; no Insurance Dispensing. State as many particulars as possible, in first letter, age, experience, etc., to Thresh, Buxton, Derbyshire.

CLIFTON, Bristol.—Ineligible Assistant for high-class Dispensing business; qualified or unqualified; indoors; no evening duty. Apply, stating age, experience, and salary required, to Giles, Schacht & Co.

DARLINGTON.—Assistant required; also an Assistant with past Wholesale experience; abstainers preferred. Apply, with full particulars, to Waters, Chemist, Darlington.

DERBY.—Assistant (ineligible or over military age) wanted; one used to good-class, quick Counter trade preferred; qualification not essential. Apply, Hart & Co., Corn Market, Derby.

DONCASTER.—An unqualified Assistant, over military age, or a capable lady Assistant, required for good-class business; good knowledge of Dispensing; short hours; outdoors. Apply, Walter E. Plant, Pharmaceutical Chemist, 28 High Street, Doncaster.

DONCASTER.—Assistant (unqualified), ineligible, married or single, outdoors, one desiring permanency, for Light Retail and Dispensing; small N.H.I.; easy hours, 8 to 6, Thursdays 1, Friday 8, Saturday 8; no Sunday duty. State age, height, references, and salary required, to Hodgson & Hepworth, Ltd., Doncaster.

HITCHIN, Herts.—Assistant for first-class Country business, Dispensing, Retail, Photography, no N.H.I.; outdoors. Please state age and usual particulars, Perks & Llewellyn, Pharmaceutical Chemists, Hitchin, Herts.

LONDON, N.W.—Assistant required for good-class Retail and Dispensing; whole or part-time; easy hours; ineligible or discharged. Apply, with usual particulars, Chas. Stevens, 38 Heath Street, Hampstead.

LONDON, S.E.—Wanted, unqualified Assistant for Counter (ineligible) or young lady would be fairly treated; hours 9 a.m. till 8 p.m., Saturday 9 p.m. (close Thursdays 1 o'clock). State salary required and usual particulars, to Messrs. Proeser Roberts Co., Pharmaceutical Chemists, 13 Church Street, Camberwell, S.E.

LONDON, S.W. (Evenings).—Dispenser, experienced, wanted, about 6.30 to 8.30 three or four evenings weekly. Apply, Foster & Dallas, 1 Lavender Hill.

LONDON, S.W.—Wanted, post order Assistants, with experience with Druggists' Sundries and Patent Medicines; male or female. Write, stating full particulars of past experience and salary required, to "L. J. 1185," Sells' Advertising Offices, Fleet Street, E.C.

LONDON, S.W.—Required, Assistants for the Front Counter in large Retail establishment, situated in the West End; male or female of good appearance and address. Write, stating full particulars of past experience and wages required, to "L. J. 1186," Sells' Advertising Offices, Fleet Street, E.C.

LONDON, W.—Capable Assistant wanted; qualified; good salary for suitable man; outdoors. Apply, stating usual particulars, to John Atkins, Chemist, 109 Queen's Road, Bayswater, W.

MAIDSTONE.—Dispenser wanted for good-class Dispensing and Family business; indoors or outdoors; lady not objected to if with some experience. Apply, with fullest particulars, salary required, etc., to Corfe & Son, Chemists, Maidstone.

MANCHESTER.—Wanted, Assistant, capable male or female, Counter and Dispensing; in or outdoors. State salary and particulars, Cromack, 413 Oxford Road, Manchester.

MANCHESTER.—Wanted, qualified Assistant; over military age or ineligible for Army; please give full particulars, stating age, experience, and salary required. Apply, 1/2, Office of this Paper.

MANCHESTER District.—Qualified Manager, indoors, not over 45, also Junior Assistant, not over 22 (lady not objected to), outdoors, required for good-class Retail and Dispensing business. Apply, giving usual particulars as to salary, references, age, etc., and enclosing photo, to T. & W. Woodruff, Chemists, Cheadle, Cheshire.

MANCHESTER.—Unqualified Assistant wanted, with knowledge of the Wholesale and Retail trade, for the Order Counter. State in full age, previous experience, and wage expected, 10/7, Office of this Paper.

MANCHESTER.—An Assistant required for the Retail Counter of a City business. State fully, age, experience, salary required, and when at liberty, 10/70, Office of this Paper.

NEWCASTLE-ON-TYNE.—Wanted, qualified or unqualified Branch Manager; capable, active, and of good character; ineligible; state salary required and when at liberty. Apply, Milburn's, Ltd., Chemists, 95/97 Northumberland Street, Newcastle-on-Tyne.

NEWCASTLE-ON-TYNE.—Wanted, qualified Assistants, male (ineligible), or female; accustomed to high-class Retail and Dispensing. Apply, giving full particulars of experience and salary required, to Brady & Martin, Ltd., 29 Mosley Street, Newcastle-on-Tyne.

ROTHERHAM.—Wanted, a qualified Assistant for Mixed business; ineligible. Reference and salary required, Davy, Bridgegate, Rotherham.

ROYAL SOUTH HANTS & SOUTHAMPTON HOSPITAL.—Required, a Major Pharmacist (male, ineligible) or female; salary £120 per annum, with rooms, board, and washing. Applications, stating age, with printed copies of testimonials (limited to five), to be sent to T. A. Fisher Bell, Secretary.

SOUTH OF ENGLAND.—Assistant required; free removal; permanency, with good salary. Timothy White Co., Ltd., Chemists, Portsmouth.

SOUTH WALES.—Qualified Manager, ineligible or over military age, for progressive business; permanency; good agreement with interest in the profits; Welshman preferred. "Wales" (140/8), Office of this Paper.

SOUTHPORT.—Assistant (ineligible for military service), Hall qualification or unqualified, for good-class Retail and Dispensing. Age, experience, references, salary required (outdoors), and all particulars, to J. R. Cave, Ltd., 52 Nevill Street, Southport.

STAMFORD.—Wanted, lady Assistant, accustomed to high-class Retail and Dispensing business. Apply, with references and photo, to Dickinson, Chemist, Stamford.

SURREY.—Qualified Manager required at once for Branch, Light Retail and Dispensing; must be ineligible for Army service, or over military age and married; good house; easy hours; permanency; also smart Assistant wanted for quick Retail and Dispensing; qualified or unqualified. Full particulars to D. Macrae, Pharmacist, Redhill.

TUNBRIDGE WELLS.—Qualified Manager (ineligible) required for high-class Dispensing and modern Retail business; permanency; must be thoroughly capable and reliable; hours easy; excellent prospects to enterprising and competent man. Apply, with full particulars, Pearmund, Chemist, 17 Calverley Road.

WREXHAM.—Qualified Manager (under principal) in brisk business, with three branches; one able to control apprentices, etc., and well up in the general routine of a good Country business; abstainer; permanency; excellent berth. L. Rowland & Co., Chemists, Wrexham.

YORKSHIRE.—Young lady who has had experience at the Counter, and some Dispensing, required for a quick Cash business in colliery district; comfortable and permanent berth. "Yorks" (140/801), Office of this Paper.

ASSISTANT required at once by Messrs. Allen & Hanbury's, Ltd., Plough Court, Lombard Street, E.C.; good experience essential; hours 9 to 6, Saturdays 9 to 1; extra duties very light; no Sunday or night duty.

ASSISTANT; central district; outdoors; must be smart and used to high-class Retail and Dispensing. Apply, 12/29, Office of this Paper.

ASSISTANT Dispenser, lady, with Minor qualification, City; salary to commence £120; hours 8.30 till 7 p.m., Saturdays 1 p.m.; no Sunday or Bank Holiday duties. Apply, stating age, etc., to "S." (12/33), Office of this Paper.

CHEMIST, qualified, lady or gentleman, wanted at once for business in Dundee. Apply, with references and experience, 134/70, Office of this Paper.

CLERK (male or female); accustomed to keeping Chemist's Books. State salary required and full particulars to "A. J. B. C.," Cooper, Son & Co., Ltd., 80 Gloucester Road, South Kensington, S.W.

EXPERIENCED Counter Assistant (male or female), high-class Retail Store trade. Give full particulars of experience, salary required (outdoors), Manager, Palmeira House, Hove.

FULLY-EXPERIENCED Assistant as Senior; easy hours; no after duties of any kind; Sundays free; merit will be recognised; or temporary assistance at once. Isaac, Pharmacist, Neath.

G. R. THARRATT, Ph. Chemist, 17 Myrtle Street, Liverpool, will shortly have a vacancy for an experienced Assistant, accustomed to Dispensing and general Retail; qualification not necessary; preferably married and willing to live at the business premises. Particulars on application.

LADY Assistant required in Light Retail and Dispensing business; 34 miles from London, in pleasant, healthy country town; comfortably warmed Pharmacy; no after business or Sunday duty. State age, height, capabilities, and full particulars, including salary required (outdoors), to J. H. Herington, M.P.S., Dunstable, Beds.

LADY Assistant, capable Dispenser, wanted, to start duty after Christmas (or before if free). Apply, stating age, height, experience, and salary required, to Dow Brothers, Pharmacists, 44 Seven Sisters' Road, Holloway, London, N.

LADY or gentleman Pharmacist required by December 5th to Manage small Branch, small N.H.I.; hours 8-6, Thursday 12, Friday and Saturday 8 p.m. Apply, with full particulars, to the Secretary, Doncaster Mutual Co-operative and Industrial Society, Ltd., 1 John Street, Doncaster.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy hours; good and progressive salary, with excellent prospects; free removal.

QUALIFIED Assistant required, ineligible, to Manage Retail Department. Apply stating age, salary required, recent references, and when disengaged, W. A. Wharram, Ltd., Wholesale Chemists, 115 Vicar Lane, Leeds.

SMART, capable Assistant wanted for business, near City; must be energetic, have initiative, and able to take charge when required; ineligible. Send full particulars, stating age, experience, when disengaged, and what salary required (hours of business are 9 to 8 Mondays, Tuesdays, Wednesdays, and Fridays, Thursdays 9 to 1, Saturday 9 to 9), "North" (11/6), Office of this Paper.

UNQUALIFIED Assistant (ineligible) required at once; must be good writer. Apply personally before 12, or by letter, to Staff Manager, Harrods, Ltd., 44 Hans Crescent, S.W.

UNQUALIFIED Assistant (ineligible) wanted for January 1st; no Sunday duty: 1 o'clock Wednesday; outdoors. Reply, stating salary required, age, and full particulars, to Cox, Chemist, Wealdstone, Harrow.

UNQUALIFIED Assistant; ineligible or above military age; must have had good Photographic experience; progressive berth; Midland city; permanency. "Photo" (40/800), Office of this Paper.

UNQUALIFIED Assistant wanted immediately; ineligible for Army, or one who has served. State age, reference, and salary in first letter, Taylor Robson & Co., 17 Bigg Market, Newcastle-on-Tyne.

WANTED, Assistant for N.H.I. Dispensing and Light Retail; whole or part-time; outdoors; dinner and tea in if desired. A. Fryer, 75 Nevill Road, Stoke Newington, N.

WANTED, Unqualified Assistant for Light Retail and N.H.I. Dispensing; outdoors; ineligible. Full particulars to Davies, 344 Caledonian Road, N.

WANTED, Dispenser; qualified or unqualified; experienced; easy hours. Pearmund, 17 Calverley Road, Tunbridge Wells.

YOUNG lady required for Counter; quick and accurate; knowledge of Drugs preferred, but not essential; live in. Apply, stating full particulars, photo, to be returned, "Rhei" (7/35), Office of this Paper.

WHOLESALE.

Price-lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

LEEDS.—Wanted, Assistants for Wet Room and Dry Room; Packers; and Bottle Washers; good wages. Apply, Goodall, Backhouse & Co., Leeds.

LONDON HOUSE requires ASSISTANTS in Dispatch Departments, Wet Room and Dry Room; good wages. Apply, giving full particulars, 120/100, Office of this Paper.

ANALYST.—Junior Analyst required by London Manufacturing Chemists. Write, with full particulars of experience and salary required, to 136/15, Office of this Paper.

ASSISTANT FOREMAN required for Counter Specialities and Packed Goods Department in large London house; ineligible; good wages. Apply, giving full particulars, 120/10, Office of this Paper.

ASSISTANT wanted (ineligible) for Wholesale, for supervision and Despatch of Orders; hours 8 a.m. to 6 p.m., Saturdays a.m. to 1 p.m. State age, present or recent situations, salary required, and references, Reade Brothers & Co., Ltd., Wolverhampton.

AT Once.—Ledger Clerk for West of England Wholesale Drug House; accustomed to general Office routine; ineligible; good references essential. Give full particulars as to experience, salary asked, etc., 8/10, Office of this Paper.

CHEMIST'S Warehouseman; experienced in Compounding and Packing Veterinary Proprietaries; man not liable for military service essential. Reply, with full particulars, to 8/7, Office of this Paper.

GENTLEMAN wanted by provincial Wholesale Drug House, to take up position of Drug Sales Manager. Give, confidentially, experience, age, and salary required, 137/51, Office of this Paper.

MAN wanted for Steam Laboratory, for Still room work. Apply, 139/67, Office of this Paper.

PROFESSIONAL.—Wanted, the services of a Technological Chemist, with the highest qualifications, for the position of principal Chemist in charge of a Central Chemical Department, to be organised, staffed, and equipped for research in connection with Agriculture, Foodstuffs, and Industrial Chemical Manufactures; must be able not only to undertake researches capable of being utilised on a commercial scale, but also to undertake and supervise the analysis and testing of foodstuffs, chemical, and other articles of commerce; the position will be both consultative and executive, and applications, which will be treated in strictest confidence, must be sent in not later than December 4, stating age, salary required, and details of experience, addressed to 133/11, Office of this Paper.

REPRESENTATIVE (London) required for Toilet Lines, etc. Write fully, Plews & Co., Sharratt Street Works, Canterbury Road, S.E.

REPRESENTATIVES (ineligible), with sound Pharmaceutical and Therepeutic knowledge, to call upon the medical profession, Pharmacists and Allied professions; previous experience an advantage; work and prospects attractive to the right men; applications must be by letter, and full particulars should be given. Menley & James, Ltd., Manufacturing Chemists, Menley House, Farringdon Road, London, E.C.

SMART, up-to-date man (ineligible) wanted to take charge of Laboratory manufacturing all classes of Perfumery and Toilet Preparations; must be able to control staff and be accurate in casting, and to create new formulæ; good prospects for competent and systematic man. Apply, by letter, 140/37, Office of this Paper.

SOLDIERS Discharged from the Army.—Raimes & Co., Wholesale Druggists, York, would be glad to have applications for Wet Room and Warehouse posts from discharged soldiers who have knowledge of the Drug trade. Apply, with full particulars.

TRAVELLER, with knowledge of Surgical Rubber Goods, wanted at once; salary and commission; good prospects. Apply, 4/38, Office of this Paper.

TRAVELLER required by London Glass Importers, calling on Wholesale Druggists for Sale of Bottles on commission. Write, with full particulars, 9/18, Office of this Paper.

TRAVELLERS wanted calling on Chemists, etc., to take a Proprietary Perfume on commission. Write, giving fullest particulars, who Travelling for, district, commission expected, etc., to "A.B.C.," c/o Willings, 33 Knightsbridge.

WANTED, ineligible for Army, with slight knowledge of Wholesale Perfumery, willing to make himself useful. Reply, with particulars, to "S. G. P." (9/19), Office of this Paper.

WANTED immediately, Junior Assistant for putting up and Checking Drug Orders in Warehouse; short hours. Apply, by letter, with full particulars of experience and salary required, to Hospital & General Contracts Co., 19-35 Mortimer Street, W.

WET and Dry Counter hands wanted; also lad for Warehouse. Apply, personally or by letter, stating age, experience, and wages required, to Secretary, General Apothecaries' Company, 49 Berners Street, London, W.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

3s. 6d. for **50** words or less; **6d.** for every **10** words or less beyond, prepaid. The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

MONTE CARLO.—An English Assistant, speaking French, required for season at Monte Carlo. Apply, in first instance, to "H. A. G.," Export Department, S. Maw, Son & Sons, 7-12 Aldersgate Street, E.C.

POUR PARIS.—On demande élève parlant bien français et connaissant bien les ordonnances, très pressé. Ecrire avec références, Mr. Logeais, Pharmacie, 37 Avenue Marceau, Paris.

SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid.

The **Advertiser** may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of **6d.**

[HOME.]

RETAIL.

A. H. COOPER, M.P.S., 5 The Vineyards, Bath.—Open for temporary engagements.

AS Manager; qualified; over military age; disengaged. "Vectis" (9/24), Office of this Paper.

ASSISTANT; unqualified; age 20; ineligible for Army; good Dispenser; South Coast for preference. Apply, 7/38, Office of this Paper.

ASSISTANT; 26; unqualified; disengaged; Birmingham or Midlands. "F. H. B.," 19 Alfred Street, Bath.

ASSISTANT; unqualified; all-round London experience; permanency; London; disengaged. "Radix," 72 Tremadoc Road, Clapham, S.W.

ASSISTANT; thoroughly reliable and trustworthy; married; permanency; London or suburbs; 30 years' experience; tall; good appearance. "S.," 101 Leander Road, Brixton Hill, S.W.

ASSISTANT or Manager; accurate Dispenser; disengaged. Marsden, 54 Romilly Road, Finsbury Park, N.

BRIGHTON.—Whole, part-time or relief work; discharged Sergeant; first-class experience. Apply, 10/320, Office of this Paper.

CAPABLE, qualified Manager, with considerable West-End experience as Manager; knowledge and references of the highest order. 10/28, Office of this Paper.

DISENGAGED; qualified; 39; married; exempt; Locum, permanency. Stewart, 3 Elborough Street, Southfields, S.W.

DISENGAGED; Locum, permanency; excellent experience and references. Chemist, Flat 3, 40 Powis Square, W.

DISPENSER, lady (Hall), some experience, desires Hospital work, permanent or temporary, in London or suburbs. "S. T.," 17 Oakley Street, Chelsea.

DISPENSER, lady (Hall) desires post with Chemist, with view to gaining further experience; two years' experience with Doctor. Mailey, "Cartrey," Minehead, Somerset.

DISPENSER, qualified, experienced, capable lady, desires change; excellent testimonials. Please state salary and particulars, 6/39, Office of this Paper.

DISPENSER, lady (Hall) requires post in Hospital or Institution; disengaged. Apply, 12/26, Office of this Paper.

ELDERLY gentleman, qualified, active, seeks position as Manager of light business; all-round experience; trustworthy and reliable. Full details and suggested honorarium to "Aspiriu" 129 East Dulwich Grove, London, S.E.

JUNIOR; unqualified; part-time. J. Ryons, 6 Lamb Street, E.

LADY Dispenser (Apothecaries' Hall), experience, reference, reliable, requires part-time work. "Mox" (8/14), Office of this Paper.

LADY Dispenser and Bookkeeper desires post with Doctor; permanent or Locum; good experience and good references. Apply, 6/27, Office of this Paper.

LADY Dispenser (Hall) requires first post; Dispensing only; Gloucester district preferred; some General Hospital training. Miss Kemp, Croft House, Britannia Square, Worcester.

LADY Dispenser, qualified, desires post with Doctor or Hospital; Hospital experience. Greetham, Clough House, Croft, Wainfleet, Lincs.

LADY Dispenser (A.H.) seeks post with Doctor or Hospital; any part the country. M. Vicker, Westgate Street, Gloucester.

LADY Dispenser; Hall qualification; 20; Doctor or Institution preferred; would take Junior post. B. Edwards, Post Office, Llanelidan, Nr. Ruthin, N. Wales.

LADY Dispenser (Hall) requires post; middle-aged; reliable; country, near London preferred; no Counter work. Address "A.B.C." (9/12), Office of this Paper.

LADY Dispenser (Hall) requires post, London or suburbs, with Doctor, Institute or Hospital. Apply, M. A. Moore-Lane, 7 Burlington Road, Bayswater, W.

LADY (27) desires post in London, in small Manufacturing or Retail Chemist; 10 years' experience in the putting up of Toilet Preparations and general Packed Goods; good reference. Apply, 9/22, Office of this Paper

LADY, partly qualified, with some experience, seeks post with Doctor, Chemist or Institution; fluent French; good testimonials. "J. C.," 122 St. James Terrace, Paddington, W.

LADY Dispenser (Hall certificate), with experience, desires post with Doctor, Hospital or Institution, in London or its suburbs. Miss K. Deighton, 63 Wickham Road, Brockley, London, S.E.

LADY Dispenser (Hall qualification) desires post in Hospital or Dispensary, in London, immediately; reference. Address, "C.," 10 The Grove, Boltons, S.W.

LADY Dispenser (Hall part qualified) desires post with Chemist or Doctor in or near Blackheath. "T. P.," 21 Banchory Road, Blackheath, S.E.

LADY Dispenser (Apothecaries' Hall) requires post, Military Hospital or Chemist. D. Carnell, c/o Mrs. Harrison, The Lodge, Addlestone, Surrey.

LOCUM; disengaged; country; qualified; 50; first-class experience and good refereuces; reliable, energetic; Photography, Optics. T. H. Dewey, Fern Villa, 3 Helena Avenue, Margate.

LOCUM Tenens or Manager; qualified; over age; efficient. "W. B. B.," 1 Sylvan Avenue, Bowes Park, N.

LOCUM work undertaken; elderly; qualified. Hepworth, 18 Royland Road, Loughborough.

LOCUM or temporary; qualified; disengaged Dec. 1st; thoroughly experienced. "N.," 59 High Street, High Barnet.

LONDON Manager or Locum; 45; qualified; disengaged. "Chemist," 108b Elgin Avenue, W.

LONDON.—Manager, qualified, experienced, reliable, ineligible, desires change, and trustworthy position. 12/37, Office of this Paper.

LONDON District.—Hospital Dispenser wants evening employment; experienced with Doctors. "X.Y.Z." (12/35), Office of this Paper.

MAJOR as Senior Assistant in high-class Dispensing business, with view to early partnership; Midlands preferred; good Dispensing experience. 6/26, Office of this Paper.

MANAGER; qualified; 30; experienced; good references; ineligible; disengaged shortly. 6/38, Office of this Paper.

MANAGER or Locum; qualified; disengaged; satisfactory references. "Alaxa" (12/24), Office of this Paper.

MANCHESTER District.—Assistant (20), exempt, desires change. "Minor Student" (6/36), Office of this Paper.

OXFORD.—Lady Dispenser (25), practical experience, desires post. 8/8, Office of this Paper.

PART-TIME (Evenings).—Experienced, N.H.I., Counter. "Statim," 35 Lucas Avenue, Upton Park.

PHARMACIST (lady) requires post, London or suburbs, W. or S.W. district. 10/33, Office of this Paper.

QUALIFIED Manager; permanency desired; experienced. Davies, Ty Cwrdd, Llwynhendy, Llanelly.

QUALIFIED; evenings free, all day Saturday; experienced; 42; London. 11/14, Office of this Paper.

QUALIFIED, Locum or Manager; abstainer; middle-aged; at liberty very shortly. Apply, 11/8, Office of this Paper.

QUALIFIED, middle-aged, seeks light situation, Liverpool vicinity; good experience; at liberty. 10/8, Office of this Paper.

QUALIFIED Manager; age 50; active; single; Prescribing and Light Retail; permanency; disengaged Dec. 8, '16. 10/14, Office of this Paper.

RELIABLE Locum; 49; not for Dispensing; brisk Counterman; unregistered; abstainer; references. "Prescriber," 19 Chapel Street, Uxbridge.

SUNDAYS.—Pharmacist to relieve Thursday evenings and occasional Sundays; London and suburbs. Apply, 12/34, Office of this Paper.

UNQUALIFIED (44), married, excellent experience, seeks engagement; permanent, but temporary not objected to; disengaged. "E.," 3 Penyard Villas, Ross-on-Wye.

UNQUALIFIED Assistant (22), ineligible, preparing for Minor, wants post to increase Dispensing experience, in London, Liverpool, Manchester, Bristol. Apply, 10/37, Office of this Paper.

UNQUALIFIED; Dispensing and Store experience; single; over military age; particulars and salary offered; disengaged. "Radix," 16 Hamer Buildings, Heywood, Lancashire.

YOUNG lady Dispenser seeks post; experienced. Thompson, St. Matthews, Gerrard's Cross, Bucks.

WHOLESALE.

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QUALIFIED UP-TO-DATE MANAGER.
Age 43.

AT present Managing for a leading firm in Lancashire, but desirous of a change; London and provincial experience, with knowledge of Continental Dispensing; minimum salary £4 weekly; position as town Representative for good House would be favourably considered. Apply, "Reach All" (7/3), Office of this Paper.

ADVERTISER (29), exempt, possessing initiative and energy, exceptional experience Factory and Office, controlling female Finishing staff, seeks Department managerial or responsible post. "Executive" (10/24), Office of this Paper.

ADVERTISING Manager can undertake few hours' work daily for another non-competing firm; will take charge; save you all worry; expert; ineligible; distance no obstacle; good references. Apply, 271/9, Office of this Paper.

CHEMIST, J.S.M.C., D.B.O.A. (34), rejected, with varied experience as Manager and Buyer, wishes to Represent high-class Optical or Drug and Sundry House; preferably in London. 1/17, Office of this Paper.

DISCHARGED Sergeant wishes to Represent good firm; 10 years' experience; South Coast preferred. Apply, 10/32, Office of this Paper.

OFFICER (invalided) seeks engagement as Representative, Proprietary Article. "Indio" (273/36), Office of this Paper.

TRAVELLER requires two or three Agencies for West of England; commission and part expenses; has many years' connection with Chemists, Grocers, Stores, etc.; qualified chemist; eligible. "S.," 19 Wolseley Terrace, Mutley, Plymouth.

MISCELLANEOUS.

MCQUEEN'S System of Accounts works profit and loss account, balance sheet, and income-tax return with guaranteed certainty; prepare for even bigger war tax and over-assessment by using this "Accountant on your Desk"; simple as ABC. Full particulars and testimonials, free, McQueen & Co., Moat Road, Leicester.

COMPLETE SHOP-FITTINGS, suitable for Branch or beginner. 7'—12-ft. Drugfitting, Glass Labelled Drawers, etc.; 6-ft. Wall case; 5-ft. Bent Counter Case; 6-ft. Dispensing Screen Counter; Desk Perfume Case; 8-ft. Plate-glass Front Serving Counter; Counter Drawers; ready for use; £50, a real bargain. PHILIP JOSEPHS & SONS, LTD., 93 Old Street, London, E.C.

VICTORY

Can only be secured by strenuous efforts, judgment and perseverance. We are now doing a large business with wholesale buyers. We would like to have you. Would you send on now 6d. in stamps, to cover postage, and we will send free range of samples. You will purchase when you see them. **100% Bonus** given with opening orders.

NI-VERRE CHEMICAL COMPANY,
Pharmaceutical and Toilet Preparations,
5 to 7 Ormeau Avenue BELFAST (Ireland).

CAMERAS WANTED.

Single models or dealers' stocks; high prices given. Original cost price allowed for Vest Pocket Kodaks with R.R. lenses. Also wanted urgently, Ensignettes, Watch-Pocket Carbines, etc. Prompt replies, courteous treatment. Goods returned immediately if no business, carriage paid.

WATSON'S, 84 HIGH ST., SHEFFIELD.

XMAS WINDOW TICKETS & WINDOW POSTERS.

produced in Artistic & Refined Colorings for advertising Christmas Presents.
LIST SHOWING 100 DESIGNS FREE.
DUDLEY & CO. HOLLOWAY RD LONDON. N.

TO WHOLESALE CHEMISTS, SHIPPERS, etc.

We compress tablets from your own ingredients or otherwise, plain or coated. Large quantities dealt with quickly. Superior Machinery and Scientific Control.

Lowest quotations for Cascara tablets in bulk.

R. GIBBINS & CO., 1 Birkbeck Road, Kingsland, LONDON, N.E.

"OKAYLOIDS"

For GOUT and RHEUMATISM.

We require immediately **SOLE BUYING AGENTS**, also Representatives, in all parts of the Country and Abroad, to push the sale of "**OKAYLOIDS**," a highly efficient purely vegetable cure for Gout and Rheumatism. "**OKAYLOIDS**" have gained an excellent reputation and brought many "repeat" orders in South Wales and London. Good remuneration to the right men who can introduce satisfactory business. The territory required, with an estimate of the annual turnover, should be sent with references, to—

"OKAYLOID" Proprietaries
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Minimum charge (including registration fee) of **1/-** for six words or less; **2d.** per word beyond, prepaid. Inquiries are inserted with a registration number attached to each item, and replies will be communicated direct to the inquirers by the Information Department of "The Chemist and Druggist."

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Principals having any of the following articles to dispose of are requested to notify the fact by postcard or otherwise stating quantity and price to

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Cycloform ointment (Bayer) (140/25)
Iodoglidine (243/3)
Saccharine (134/23)
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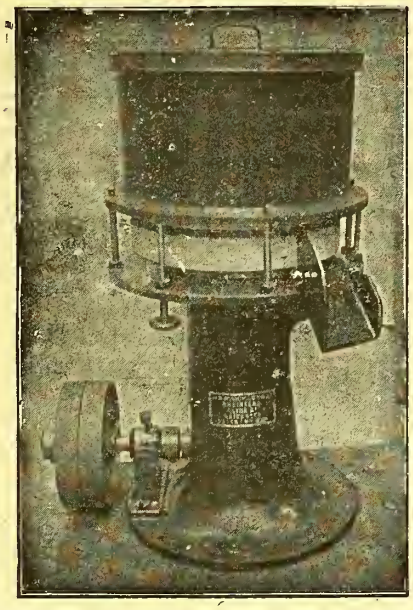

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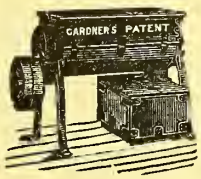

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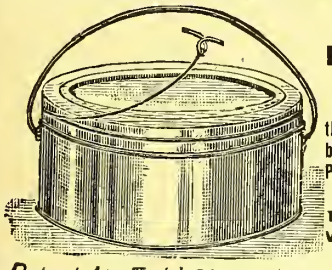

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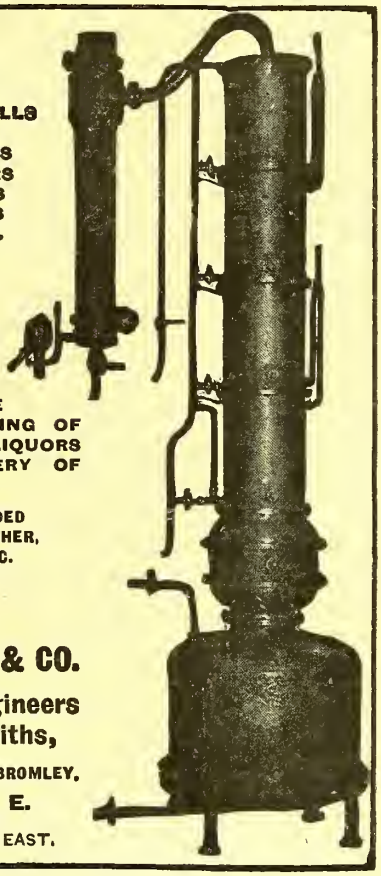

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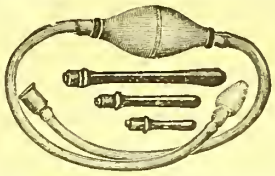

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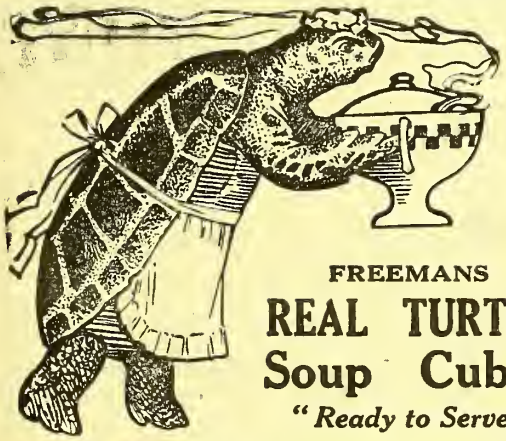

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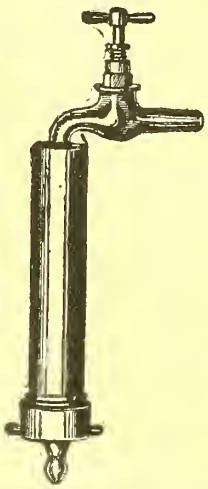

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